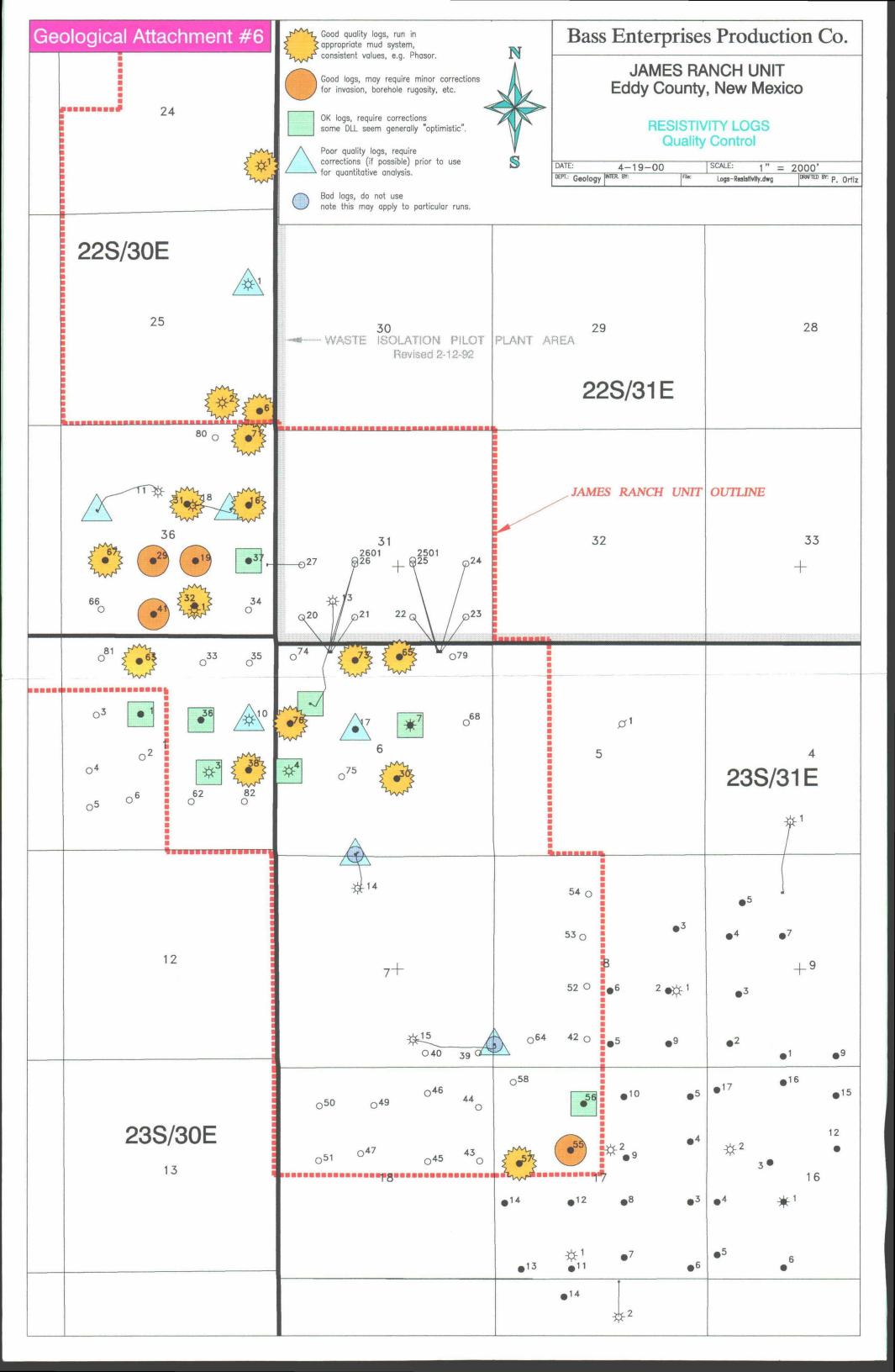


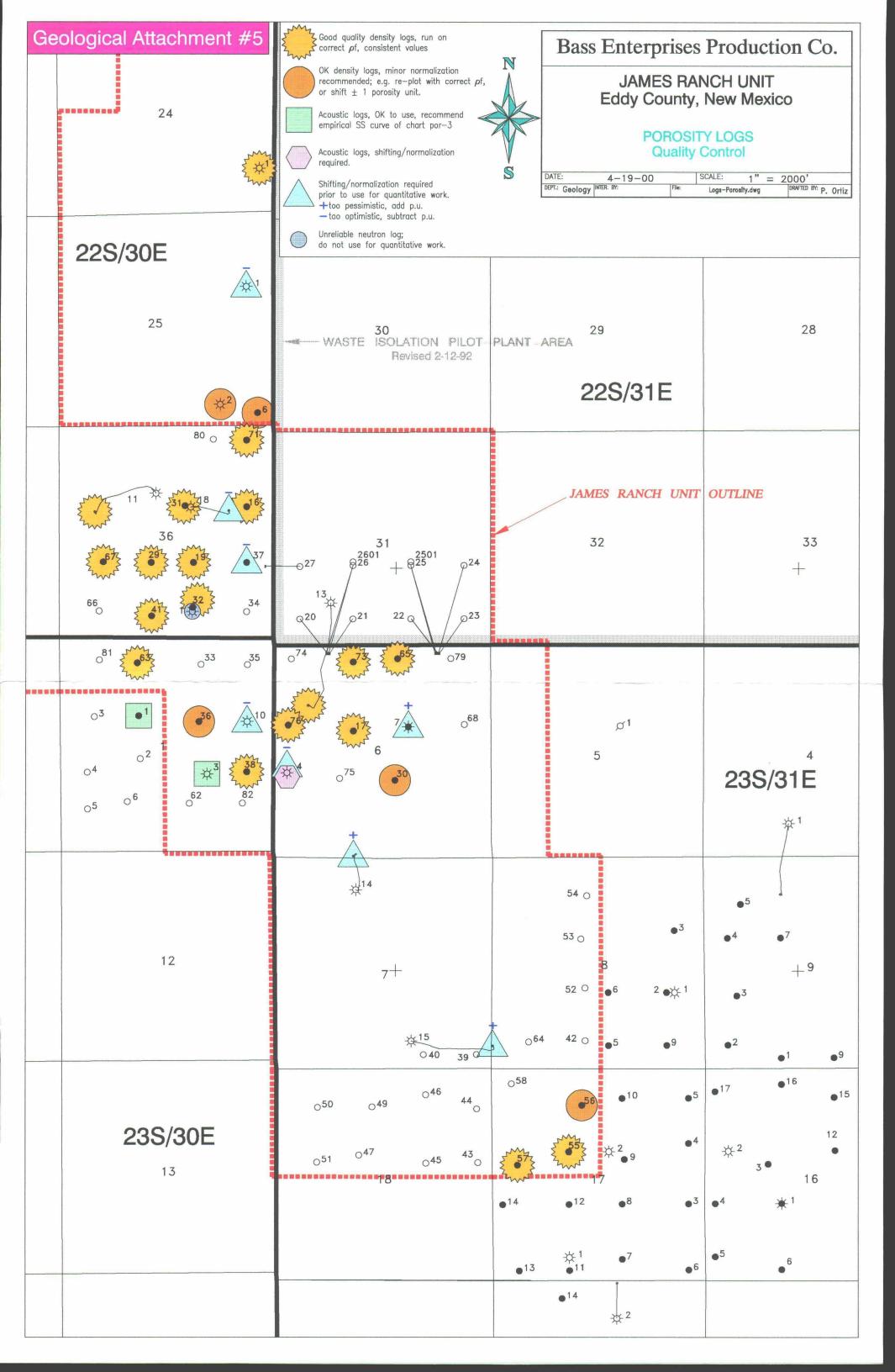
GEOLOGICAL ATTACHMENT #4

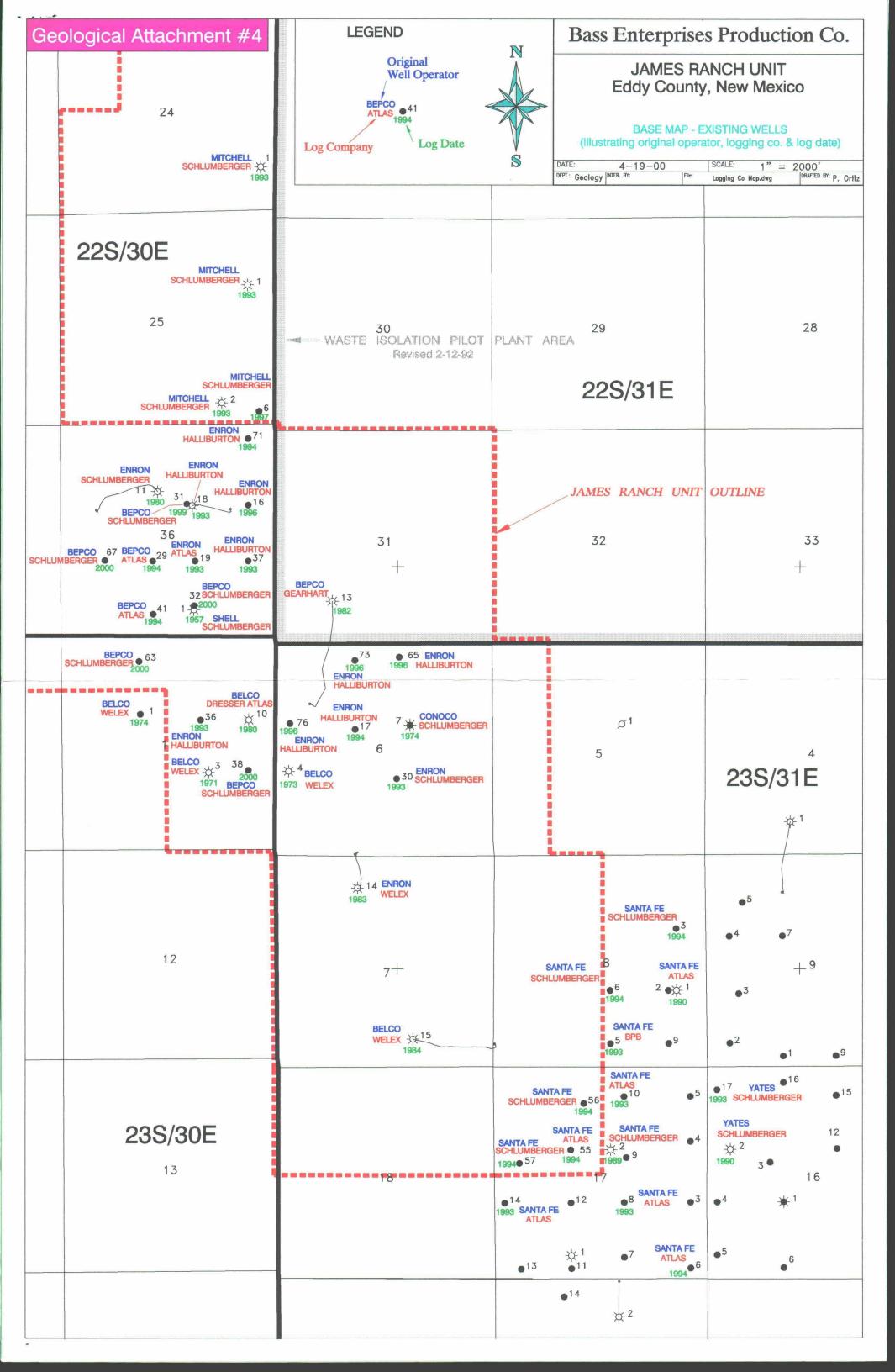
DELAWARE WELLS

ORIGINAL OPERATOR -- WELL NAME-NUMBER -- LOG DATE -- COMPLETION DATE

Well
JRU 16
JRU 17
JRU 19
JRU 29
JRU 31
JRU 32
JRU 36
JRU 37
JRU 38
JRU 41
JRU 48
JRU 55
JRU 56
JRU 57
JRU 63
JRU 65
JRU 67
JRU 71
JRU 73
JRU 76







BASS ENTERPRISES PRODUCTION CO.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131 817/390-8400

April 20, 2000

Bureau of Land Management

P. O. Box 1397

Roswell, New Mexico 8820-2019

Attention: Ed Roberson

New Mexico Oil Conservation Division

2040 S. Pacheco Street

Santa Fe, New Mexico 87505 Attention: Lori Wrotenbery

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148 Attention: Jami Bailey

Re:

Application for Approval of the First Revision

of the Initial Delaware Participating Area James Ranch Unit, No. 14-08-001-558

Eddy County, New Mexico

Ladies and Gentlemen:

Bass Enterprises Production Co., as unit operator of the James Ranch Unit Agreement, pursuant to the provisions of Section 11 thereof, respectfully submits for your approval the selection of the following described lands to constitute the first revision to the Initial Delaware Participating Area. The revised participating area consists of 2,326.28 acres to be comprised of the lands indicated on the plat attached hereto and further described as follows:

T22S-R30E

Section 35: SE/4 NE/4, E/2 SE/4 Section 36: S/2, NE/4, S/2 NW/4

T22S-R31E

Section 31: Lots 1, 2, 3, 4, E/2 SW/4, SE/4

T23S-R30E

Section 1: Lots 1, 2, 3, 4, S/2 NE/4, SE/4

Section 2: Lot 1

T23S-R31E

Section 5: Lot 4, SW/4 NW/4, W/2 SW/4

Section 6: All

All in Eddy County, New Mexico and containing exactly 2,326.28 acres of land.

April 20, 2000 First Revision - Delaware Page 2

In support of this application, the following numbered items are attached hereto and made a part hereof:

- 1. An ownership map (Exhibit "A") depicting the boundaries of the proposed first revision to the Initial Delaware Participating Area.
- 2. A schedule (Exhibit "B") identifying the lands entitled to participation in the revised participating area with the percentage of participation of each lease or tract indicated thereon.
- 3. A geological report with accompanying geological maps supporting and justifying the proposed selection of the revised area based on the results obtained from the James Ranch Unit Well No. 36.

This proposed first revision to the Initial Delaware Participating Area is predicated upon the knowledge and information first obtained from the James Ranch Unit Well No. 36 in January, 1994. It should be noted that James Ranch Unit Well No. 36 has been previously determined as capable of producing in commercial quantities. According to Section 11 of the Unit Agreement, the effective date of the subject revision should be the first of the month in which the above information was obtained or January 1, 1994. Therefore, Bass respectfully requests your approval of the hereinabove described 2,326.28 acres of land to constitute the first revision of the Initial Delaware Participating Area, to be effective January 1, 1994.

Thank you very much for your cooperation in this regard and should you have any questions or comments concerning same, please do not hesitate to contact the undersigned.

	Very truly yours,
WWC:ca	Worth Carlin
ACCEPTED AND AGREED this _	day of, 2000.
	BUREAU OF LAND MANAGEMENT
	By:
	COMMISSIONER OF PUBLIC LANDS
	By:
	NEW MEXICO OIL CONSERVATION DIVISION
	By:

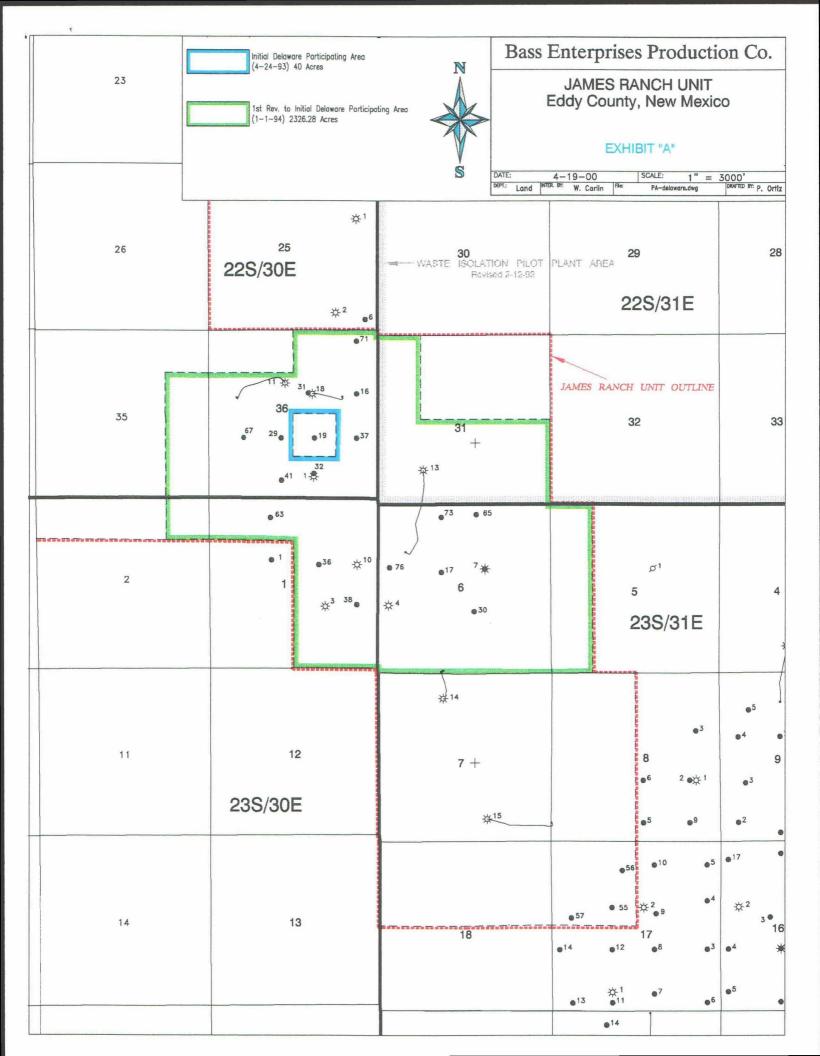


EXHIBIT "B" First Revision to Initial Delaware Participating Area James Ranch Federal Unit Eddy County, New Mexico

Tract No.	Tract Lease No. No.	Description	Participating Acres	Percentage of Participation	Working Interest Owners	
2	NM 02883-A	Section 5, T23S-R31E; SW/4 NW/4, W/2 SW/4,	120.00	5.15845	Bass Enterprises Production Co	100%
т	NM 02884-A	Section 1, T23S-R30E; Lots 3, 4	80.72	3.46992	Bass Enterprises Production Co	100%
3-A	NM 02884-B	Section 1, T23S-R30E; Lots 1, 2, S/2 NE/4, SE/4	320.24	13.76618	Bass Enterprises Production Co	100%
4	NM 02887-A	Section 6, T23S-R31E; Lots 1, 2, S/2 NE/4, NE/4 SE/4	199.92	8.59398	Bass Enterprises Production Co	100%
4	NM 02887-D	Section 6, T23S-R31E; Lots 3, 4, 5, SE/4 NW/4	161.08	6.92436	Bass Enterprises Production Co	100%
4-A	NM 02887-B	Section 5, T23S-R31E; Lot 4	39.98	1.71862	Bass Enterprises Production Co	100%
9	NM 02952-C	Section 35, T22S-R30E; SE/4 NE/4	40.00	1.71948	Bass Enterprises Production Co	100%
6-A	NM 02952-A	Section 35, T22S-R30E; E/2 SE/4	80.00	3.43897	Bass Enterprises Production Co	100%

If:\text{\text{Land}} Secs\text{\text{Cornell Documents}\text{\text{LCA}\text{\text{WWC}\text{\text{\text{Polaware PA\text{\text{Exhibit B}}} - 1st Revison Delaware.doc}}

EXHIBIT "B" First Revision to Initial Delaware Participating Area Page 2

JAMES RANCH UNIT (DELAWARE) PROPOSED PARTICIPATING AREAS

GEOLOGICAL ATTACHMENTS

- 1. <u>Type Log</u>: JRU No. 30 (Section 6, T23S-R31E)
- 2. <u>Wireline Logs/Mudlogs</u>: Data base for 44 wells Includes porosity, resistivity, and mudlogs for both producing zones and for uphole, behind-pipe pay intervals
- 3. <u>Producing Horizons</u>: Map illustrating producing reservoir horizons at James Ranch Unit
- 4. <u>Base Map Existing Wells Logging Date:</u> Base map illustrating by well, the original operator, logging company, and logging date (tabulation includes logging and completion date).
- 5. Log Quality Control: Porosity logs
- 6. Log Quality Control: Resistivity logs
- 7. Rw: Relationship for Rw vs Depth
- 8. Structure Map: Top Lower Brushy Canyon "D"
- 9. Net Pay Isopach Map: Lower Brushy Canyon "D"—critical contour @ 25' ≥ 10% porosity
- 10. <u>Commercial Delaware Wells S.E. of JRU</u>: Documentation supporting commerciality in Sections 8 and 17 of T23S-R31E

INTRODUCTION

Drilling for deeper horizons below the Delaware from the 1950's through the early 1990's at James Ranch Unit essentially identified that a significant hydrocarbon reservoir existed within the Cherry and Brushy Canyon sections of the Delaware formation. This identification was based primarily from drill stem tests, mudlog shows and log evaluation. For example, as early as 1954 the Richardson and Bass Legg No. 1 (Section 27, T22S-R30E) potentialed for 67 BOPD (6112'–6118') from the Lower Brushy Canyon and in 1957, Shell's No. 1 James Ranch Unit (Section 36, T22S-R30E) recovered 450' oil on a Brushy Canyon drillstem test (6719'-6758'). Continued deep drilling through the 1980's confirmed the Delaware potential prior to it becoming a targeted reservoir.

During the 1990's attention became more focused on the Delaware, very much aided by fracture treatment technology. Since drilling became focused on the Delaware, 19 wells have targeted this reservoir in the southeastern sector of the unit. All of these wells are commercial. Around 12 additional locations are currently being permitted. Uphole, behind-pipe pay exists in the majority of the wells drilled to date.

GEOLOGICAL SETTING

The Delaware sands at James Ranch Unit were deposited as part of an extensive submarine fan complex, with thinly bedded sandstones and siltstones encasing stacked channel sequences of reservoir quality sandstones. The trapping mechanism is primarily stratigraphic with some subtle structural influence.

PETROPHYSICS

Based upon in-house studies and production experience of the Delaware at James Ranch Unit and elsewhere, the Lower Brushy Canyon is oil-bearing and productive at a density porosity cut-off of $\geq 10\%$ (sandstone matrix at 2.66 gm/cc). As we climb into the Cherry Canyon, the porosity cut-off increases to 15% sandstone porosity. The log database at James Ranch Unit is a very unique mixture of porosity and resistivity log types and of varying logging companies. For this reason, quality control of the logs has been essential. Typically we like to see the water saturations to be 65% or less. Mudlogs have been a very critical ingredient in pay recognition—it is difficult to question a zone's potential when you have good drilling shows ranging from good sample shows to oil in the trap or on the pits!

COMPLETIONS WITH UPHOLE PAY

Initial completions have concentrated on the Lower Brushy "D". Perforations are commonly limited to a central pay zone and then large fracture stimulations are made to communicate all the reservoir intervals from the top of the Lower Brushy Canyon "D" to the top of the Bone Spring. Since this has been the initial completion interval to date, and

on its own has been overall commercial, the Lower Brushy "D" is the reservoir interval illustrated in this application. Examination of the log/mudlog database illustrates the higher reserve uphole potential behind-pipe in the majority of the wells. Some of this has been accessed but in many of the wells has yet to be perforated.

PROPOSED PARTICIPATING AREAS

1. Initial P.A. (effective date 4/24/93)

Chronologically, JRU No. 19 (completed 4/24/93) should define the initial P.A. Completed in the Lower Brushy Canyon "B", "C" and "D", the well has produced 85 MBO + 180 MMCF through $\Gamma 1/30/99$, with an anticipated ultimate recovery of 181 MBOE.

2. First Revision (effective date 1/1/94)

The JRU No. 19, together with earlier pay identification from deep tests in Section 36, T22S-R30E showed us that Section 36 was a commercial target area. Earlier "deep" tests in Section 6, T23S-R31E (JRU Nos. 4, 7, and 30) and in Section 1 of T23S-R30E (Hudson Federal No. 1 and JRU Nos. 3 and 10) had already indicated the Delaware potential in those areas, but confirmation of this was provided by the JRU No. 36. Completed 1/23/94, the No. 36 has produced 47 MBO + 90 MMCF from the Lower Brushy "D" through 11/30/99, and has an anticipated ultimate recovery of 153 MBOE. Additional pay still exists uphole.

3. Second Revision (effective date 4/1/94)

Delaware mapping during our early Delaware drilling showed us that the reservoir extended southeast outside of the unit into Sand Dunes, West (Sections 8, 9, 16 and 17 of T23S-R31E). Overall unaccessible due to potash mining, two earlier deep tests (JRU Nos. 14 and 15) strongly supported this potential in the Delaware. This potential was officially confirmed within the unit by the JRU No. 55 (completed 4/6/94). The JRU No. 55, through 11/30/99, has produced 55 MBO + 182 MMCF, and has an anticipated ultimate recovery of 165 MBOE.

SUMMARY

The proposed initial P.A. and P.A. revisions, in our opinion, define the minimum participating areas for the Delaware at James Ranch Unit. Drilling restrictions, due to potash, are the only reason why more drilling has not been done to substantiate the fact that a much larger area should be placed within a participating area. As previously stated, no non-commercial wells have been drilled. In fact, with our ongoing drilling program, five additional wells (JRU Nos. 31, 32, 38, 63, 67) will need to be filed as commercial wells. This program has also confirmed our earlier mapping that an additional channel complex, trending NW-SE, enters Section 36 (T22S-R30E) and

Section 1 (T23S-R30E) and then joins up with the main N-S complex which incorporates Sand Dunes, West. The Richardson and Bass Legg No. 1 (Section 27, T22S-R30E) is located along this fairway. We are in fact extremely encouraged by this secondary trend. Completed February 2, 2000, the JRU No. 63 (NW/4 Section 1, T23S-R30E) flowed at rates of over 500 BOPD from the Lower Brushy "D" during the first week. Currently, development drilling is going to target this secondary channel complex. There is no doubt that if the area were accessible for drilling, the unit acreage west and northwest of the proposed participating areas would greatly enlarge the P.A. area. We further believe, from subsurface mapping, that the Cabin Lake Cherry Canyon pay zone is present in that area. That reservoir will typically produce over 250 MBO/well. Together with Brushy Canyon pay zones, the reserves of this area within the potash reserves would constitute a significant asset to Bass Enterprises and the Bureau of Land Management.

. 7

Finally, please feel free to call either Simianne Hayden (817 390-8664) or George Hillis (817 390-8661) with any questions on this application for Delaware participating areas (initial, first revision, second revision) at James Ranch Unit.

George A. Hillis

Simianne/Johnson-Hayden

GAH:SJH:jp

BASS ENTERPRISES PRODUCTION CO.

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

April 20, 2000

Bureau of Land Management P. O. Box 1397 Roswell, New Mexico 88201-2019 New Mexico Oil Conservation Division 2040 S. Pacheco Street Santa Fe, New Mexico 87505

Attention: Ed Roberson

Attention: Lori Wrotenbery

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

Attention: Jami Bailey

Re: Init

Initial Delaware Participating Area NW/4 SE/4 Section 36, T22S-T30E James Ranch Unit, No. 14-08-001-558 Eddy County, New Mexico

Ladies and Gentlemen:

Bass Enterprises Production Co., as Unit Operator of the James Ranch Unit Agreement, pursuant to the provisions of Section 11 thereof, respectfully submits for your approval the selection of the following described lands to comprise the Initial Participating Area for the Delaware Formation:

NW/4 SE/4 Section 36, T22S-R30E containing 40.00 acres of land.

In support of this application the following numbered items are attached hereto and made a part hereof:

- 1. An ownership map (Exhibit "A") depicting the boundaries of the proposed initial participating area for the Delaware Formation.
- 2. A schedule (Exhibit "B") identifying the lands entitled to participation in the unitized substances produced from the Delaware Formation with the percentage of participation of each lease or tract indicated thereon.

Initial PA April 20, 2000 Page 2

This proposed initial participating area is predicated upon the knowledge and information first obtained upon the completion of the James Ranch Unit Well No. 19 (located in the NW/4 SE/4 Section 36, T22S-R30E) on April 24, 1993. It should be noted that James Ranch Unit Well No. 19 has been previously determined as capable of producing in commercial quantities. According to the Unit Agreement it is our understanding that the effective date of this initial participating area will be April 24, 1993. Therefore, Bass respectively requests your approval of the hereinabove selection of lands to constitute the Initial Delaware Participating Area to be effective April 24, 1993. Thank you very much for your cooperation in this regard and should you require additional information concerning same, please don't hesitate to contact the undersigned.

Very truly yours.

Worth Carlin

WWC:ca

ACCEPTED AND AGREED this _______ day of _______, 2000.

BUREAU OF LAND MANAGEMENT

By: _____

COMMISSIONER OF PUBLIC LANDS

By: ____

NEW MEXICO OIL CONSERVATION DIVISION

EXHIBIT "B"

Initial Delaware Participating Area James Ranch Federal Unit Eddy County, New Mexico

Fract No.	Lease No.	Description	Participating Acres	Percentage of Participation	Working Interest Owners
21	E-5229-2	Section 36, T22S-R30E; NW/4 SE/4	40.00	100%	Bass Enterprises Production Co. – 100%
		Totals	40.00	100%	
	Total Federal Land: Total State Lands: Total Fee Lands:	0 Acres 40 Acres 0 Acres			
	Total	40 Acres			

BASS ENTERPRISES PRODUCTION CO.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131 817/390-8400

April 20, 2000

Bureau of Land Management P. O. Box 1397 Roswell, New Mexico 88201-2019

New Mexico Oil Conservation Division 2040 S. Pacheco Street Santa Fe, New Mexico 87505

Attention: Ed Roberson

Attention: Lori Wrotenbery

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

Attention: Jami Bailey

Re:

Application for Approval of the Third Revision of the Initial Bone Springs Participating Area

James Ranch Unit, No. 14-08-001-558

Eddy County, New Mexico

Ladies and Gentlemen:

Bass Enterprises Production Co., as unit operator of the James Ranch Unit Agreement, pursuant to the provisions of Section 11 thereof, respectfully submits for your approval the selection of the following described lands to constitute the third revision to the Initial Bone Springs Participating Area. The revised participating area consists of 1,482.01 acres to be comprised of the lands indicated on the plat attached hereto and further described as follows:

T22S-R30E

Section 36: N/2 NE/4, SE/4 NE/4

T22S-R31E

Section 31: Lots 2, 3, E/2 SW/4, SE/4

T23S-R31E

Section 5: Lot 4, SW/4 NW/4, W/2 SW/4

Section 6: Lots 1, 2, 7, S/2 NE/4, SE/4, E/2 SW/4

Section 7: NE/4 NW/4, N/2 NE/4, SE/4 NE/4

Section 8: NW/4, N/2 SW/4, SE/4 SW/4

All in Eddy County, New Mexico and containing exactly 1,482.01 acres of land.

In support of this application, the following numbered items are attached hereto and made a part hereof:

An ownership map (Exhibit "A") depicting the boundaries of the proposed third revision to the 1. Initial Bone Springs Participating Area.

- 2. A schedule (Exhibit "B") identifying the lands entitled to participation in the revised participating area with the percentage of participation of each lease or tract indicated thereon.
- 3. A geological report with accompanying geological maps supporting and justifying the proposed selection of the revised area based on the results obtained from the James Ranch Unit Well No. 65.

This proposed third revision to the Initial Bone Springs Participating Area is predicated upon the knowledge and information first obtained from the James Ranch Unit Well No. 65 in August, 1996. It should be noted that James Ranch Unit Well No. 65 has been previously determined as capable of producing in commercial quantities. According to Section 11 of the Unit Agreement, the effective date of the subject revision should be the first of the month in which the above information was obtained or August 1, 1996,. Therefore, Bass respectfully requests your approval of the hereinabove described 1,482.01 acres of land to constitute the third revision of the Initial Bone Springs Participating Area, to be effective August 1, 1996.

Thank you very much for your cooperation in this regard and should you have any questions or comments concerning same, please do not hesitate to contact the undersigned.

Very truly yours,

WWC:ca	Worth Carlin
ACCEPTED AND AGREED this	day of, 2000.
	BUREAU OF LAND MANAGEMENT
	Ву:
	COMMISSIONER OF PUBLIC LANDS
	Ву:
	NEW MEXICO OIL CONSERVATION DIVISION
	By:

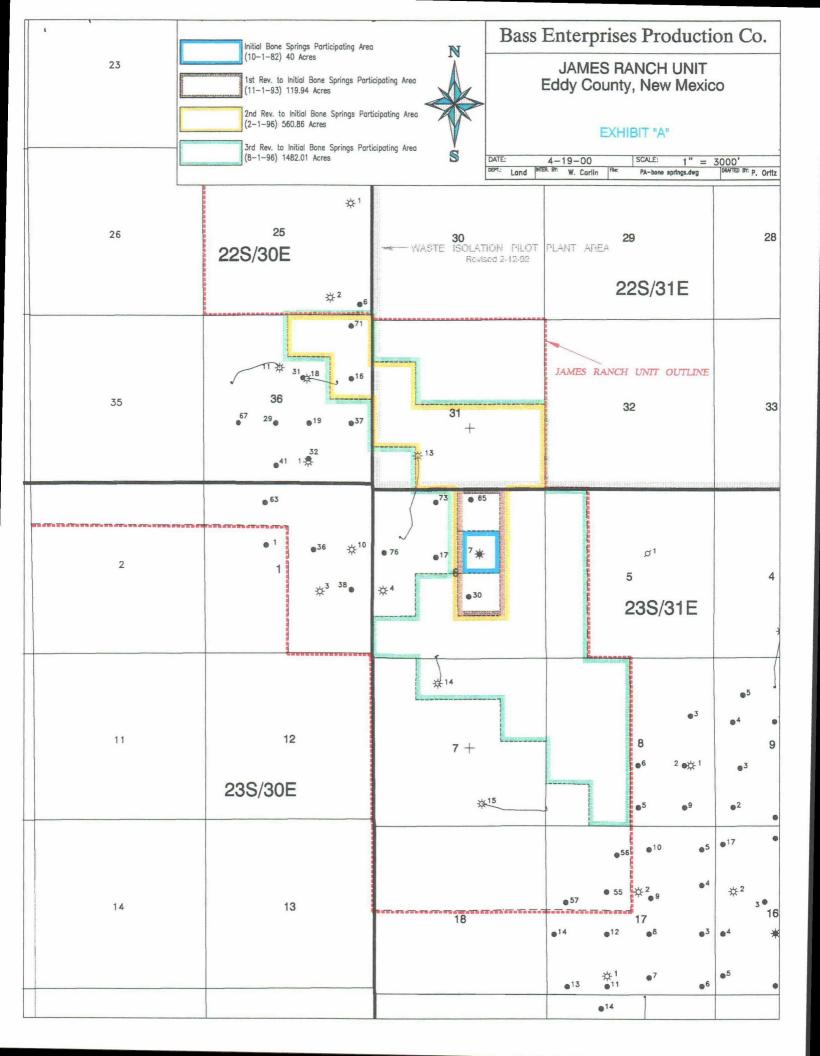


EXHIBIT "B" Third Revision to Initial Bone Springs Participating Area James Ranch Federal Unit Eddy County, New Mexico

	100%	100%	100%	100%	100%	33.333% 66.667%	100%
Working Interest Owners	Bass Enterprises Production Co	Bass Enterprises Production Co	Bass Enterprises Production Co	Bass Enterprises Production Co	Conoco, Inc	Bass Enterprises Production Co Enron Oil & Gas Company -	Bass Enterprises Production Co
Percentage of Participation	8.09711	13.48979	2.69904	8.09576	2.72940	18.92497	16.27452
Participating Acres	120.00	199.92	40.00	119.98	40.45	280.47	241.19
Description	Section 5, T23S-R31E; SW/4 NW/4, W/2 SW/4,	Section 6, T23S-R31E; Lots 1, 2, S/2 NE/4, NE/4 SE/4	Section 7, T23S-R31E; NE/4 NW/4	Section 7, T23S-R31E; NW/4 NE/4, SE/4 NE/4,	Section 31, T22S-R31E; Lot 2	Section 31, T22S-R31E; Lot 3, E/2 SW/4, SE/4	Section 6, T23S-R31E; Lot 7, E/2 SW/4, W/2 SE/4, SE/4 SE/4
Lease No.	NM 02883-A	NM 02887-A	NM 02887-D	NM 02887-B	NM 02953	NM 02953-C	NM 04473
Tract No.	2	4	4	4-A	7	7	∞

EXHIBIT "B"
Third Revision to Initial Bone Springs Participating Area
Page 2

Tract Le	Tract Lease No. No.	Description	Participating Acres	Percentage of Participation	Working Interest Owners	
20	LC 071988-B	Section 8, T23S-R31E; NW/4, N/2 SW/4, SE/4 SW/4	280	18.89326	Bass Enterprises Production Co	100%
21	E-5229-1	Section 36, T22S-R30E; N/2 NE/4, SE/4 NE/4	120	8.09711	Bass Enterprises Production Co -	100%
25	Fee	Section 7, T23S-R31E; NE/4 NE/4	40.00	2.69904	Bass Enterprises Production Co	100%
		TOTALS:	1,482.01	100%		
Total F Total S Total F Total:	Total Federal Lands: Total State Lands: Total Fee Lands: Total:	1,322.01Acres 120.00Acres 40.00 Acres 1,482.01Acres				

BASS ENTERPRISES PRODUCTION COMPANY JAMES RANCH UNIT (BONE SPRING) PROPOSED PARTICIPATING AREA REVISIONS

GEOLOGICAL ATTACHMENTS

- 1. <u>Type Log</u>: JRU No. 30 (Section 6, T23S-R31E)
- 2. <u>Wireline Logs/Mudlogs</u>: Data base for 24 wells Includes porosity, resistivity, and mudlogs for key wells
- 3. <u>Producing Horizons</u>: Map illustrating producing reservoir horizons at James Ranch Unit
- 4. <u>Base Map Existing Wells Logging Date:</u> Base map illustrating by well, the original operator, logging company, and logging date (tabulation includes logging and completion date). Bone Spring penetrations are highlighted.
- 5. Log Quality Control: Porosity logs
- 6. Log Quality Control: Resistivity logs
- 7. Structure Map: Top Wolfcamp/Base Bone Spring III
- 8. Net Pay Isopach Map: Bone Spring III—critical contour @ 25' ≥ 10% porosity

INTRODUCTION

The initial participating area for the Bone Spring III reservoir, and its first revision, was applied for and approved in October, 1994 (effective dates 10/1/82 and 11/1/93 respectively). This area of 120 acres is located in Section 6, T23S-R31E (W/2 of NE/4 and NW/4 of SE/4).

Subsequent drilling in the unit has substantiated expansion of the participating area to the north and south.

GEOLOGICAL SETTING AND PETROPHYSICS

The Bone Spring III reservoir at James Ranch Unit is made up of several clastic turbidite flows. Originally mapped using a 12% porosity cut-off, a NW-SE channel complex was identified. Subsequent drilling and workovers are now supportive of a 10% porosity cut-off for net pay and shows that in addition to the previously recognized NW-SE complex we have a secondary channel trend, traversing Section 1, T23S-R30E, which enjoins with the earlier known channel trend. Key wells substantiating this secondary trend include a workover in the Hudson Federal No. 1 (SE of NW/4, Section 1, T23S-R30E) which established, though it be non-commercial, production from the reservoir. Weak drilling shows and possible behind pipe by logs in the JRU Nos. 3 and 4 respectively have also been supportive. The JRU No. 14 is a key well in confirming the secondary channel-trend (NE/4 of NW/4 Section 7, T23S-R31E). Originally believed to be located on the originally presented channel, drilling (JRU Nos. 17, 73, 76) in the NW/4 of Section 6, T23S-R31E has shown that the No. 14 is in fact part of this secondary channel. Examination of the logs and mudlog on the No. 14 illustrate that the Bone Spring III reservoir is behind-pipe pay in the well, which currently is producing from the Morrow. This data has greatly helped in explaining why the original NW-SE channel, as it came through Section 36 (22S-30E) and the northerly sector of Section 6 (23S-31E) widens out before continuing southeast toward the Sand Dunes area, as confirmed by the Pure Gold 8 No. 1 (NE/4 of SW/4, Section 8, T23S-R31E), which has the Bone Spring III pay zone existing behind-pipe (pay @ 11,160-11,222 gross—very good drilling show including oil in the trap).

PROPOSED REVISIONS TO THE PARTICIPATING AREA

1. Second Revision (effective date 2/1/96)

The drilling of JRU 71 (completed 10/15/94) and the JRU 16 (completed 2/4/96) confirmed the original channel trend extending northwest from the original participating areas. The log data from the Mitchell Apache Federal 25-2 (25-23S-30E) led to the drilling of these wells but it was not until the No. 16 was completed that we could confirm the commerciality in the northeastern sector of Section 36 (T22S-R30E). Plans are ongoing (with an approved drilling permit for the JRU No. 80) to develop this

participating area revision which extends across sectors of Section 31 and enjoins with the original participating area.

2. Third Revision (effective date 8/1/96)

Based upon subsequent drilling and map updates, this revision is proposed to the south, east, and southeast of the original participating areas. In addition to the JRU Nos. 7 and 30, the JRU No. 14 and the Pure Gold 8 No. 1, both discussed earlier, are key wells to this revision. Although drilled in 1983 and 1990 respectively, it was not until the subsequent drilling in the N/2 of Section 6 (23S-31E) that we became aware of the two depositional trends existing and thus the logging date for JRU 65 (8/1/96) is the recommended date for the third revision. Development of the revised area is unfortunately going to be very difficult due to potash reserves. We have had three drilling applications denied to date (JRU 68 and 69 in Section 6 and JRU 53 in Section 8). At this time only one drilling application, the JRU 79 (NE of NE/4, Section 6, T23S-R31E) has been approved.

Finally, please feel free to call either Simianne Hayden (817 390-8664) or George Hillis (817 390-8661) with any questions on this application for the Bone Spring III participating area extensions at James Ranch Unit.

George A. Hillis

Simianne Johnson-Hayden

GAH:SJH:jp

BONE SPRING WELLS

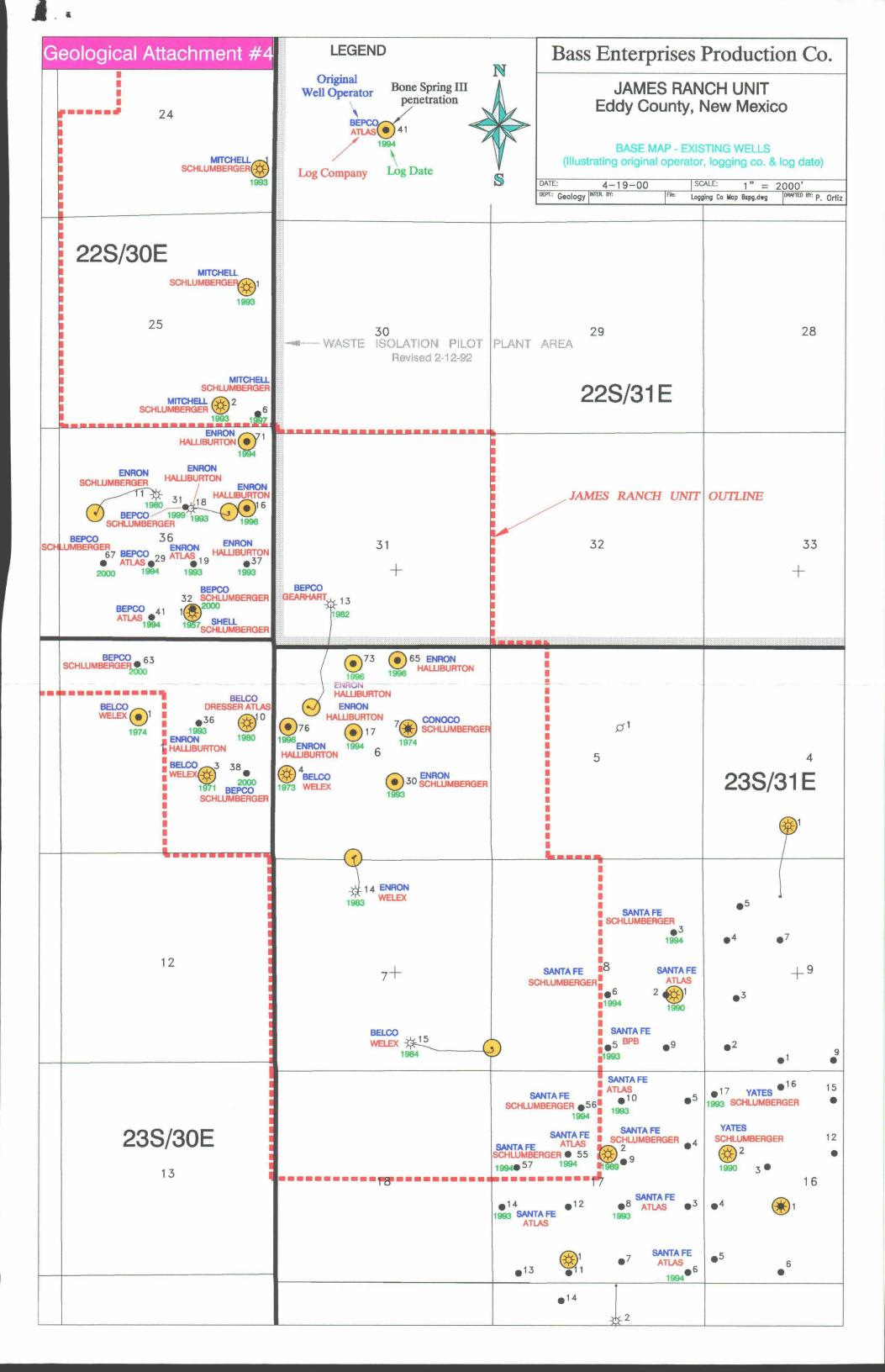
ORIGINAL OPERATOR -- WELL NAME-NUMBER -- LOG DATE -- COMPLETION DATE

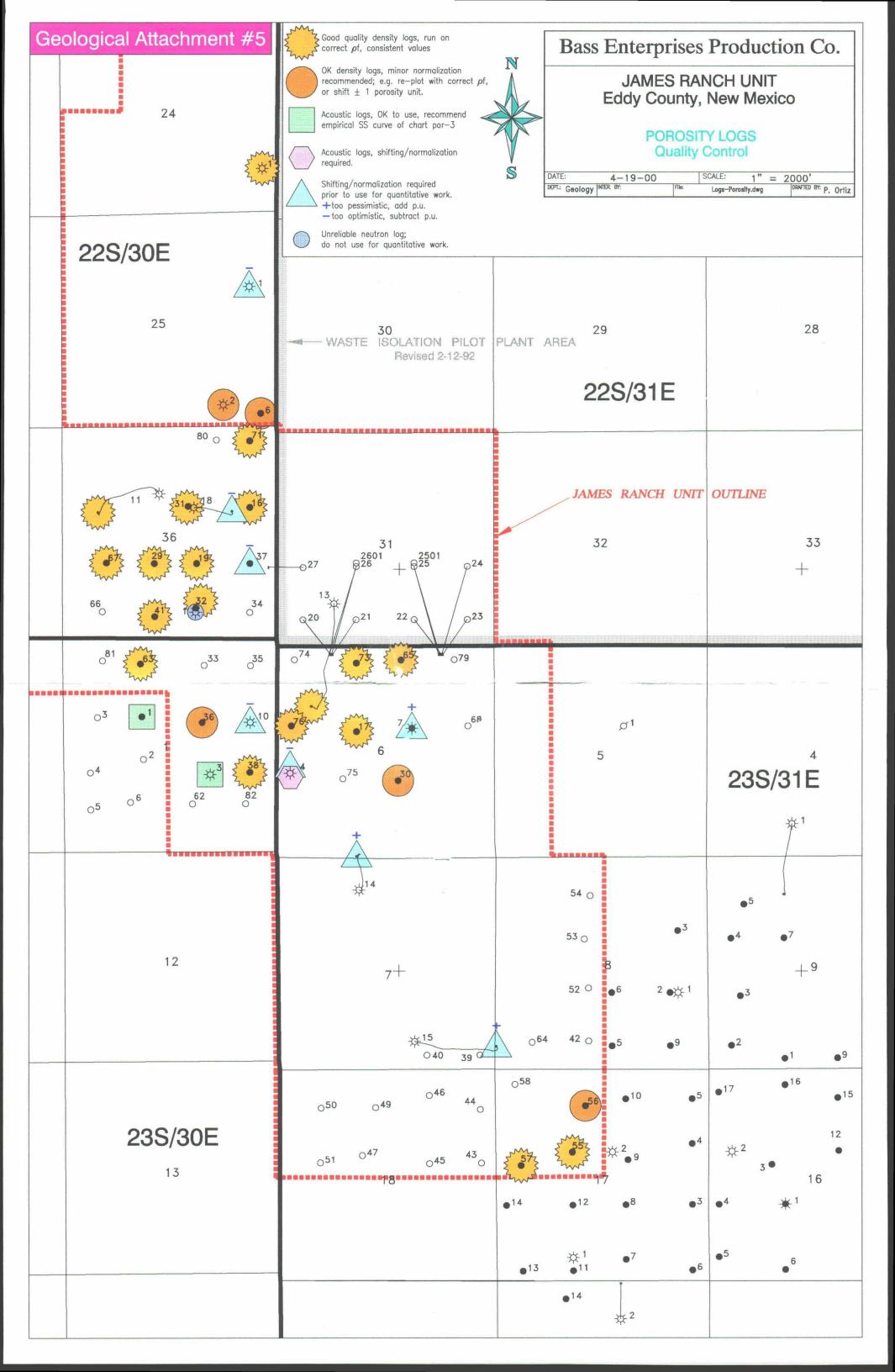
F			7
			Į
۱			۱
Į			
			Į
ı			۱
I	드		Į
	eţį	ē	
ı	횯	Da	i
Į	Š		I
	U		
			ı
l	_	a	l
Į	g)at	
ı	_	_	
			I
ı			
ı	_	<u>•</u>	
	Se	am	
		Z	l
	펼	호	
	<u>.</u>	Opera	
	Original	Ö	
			ı

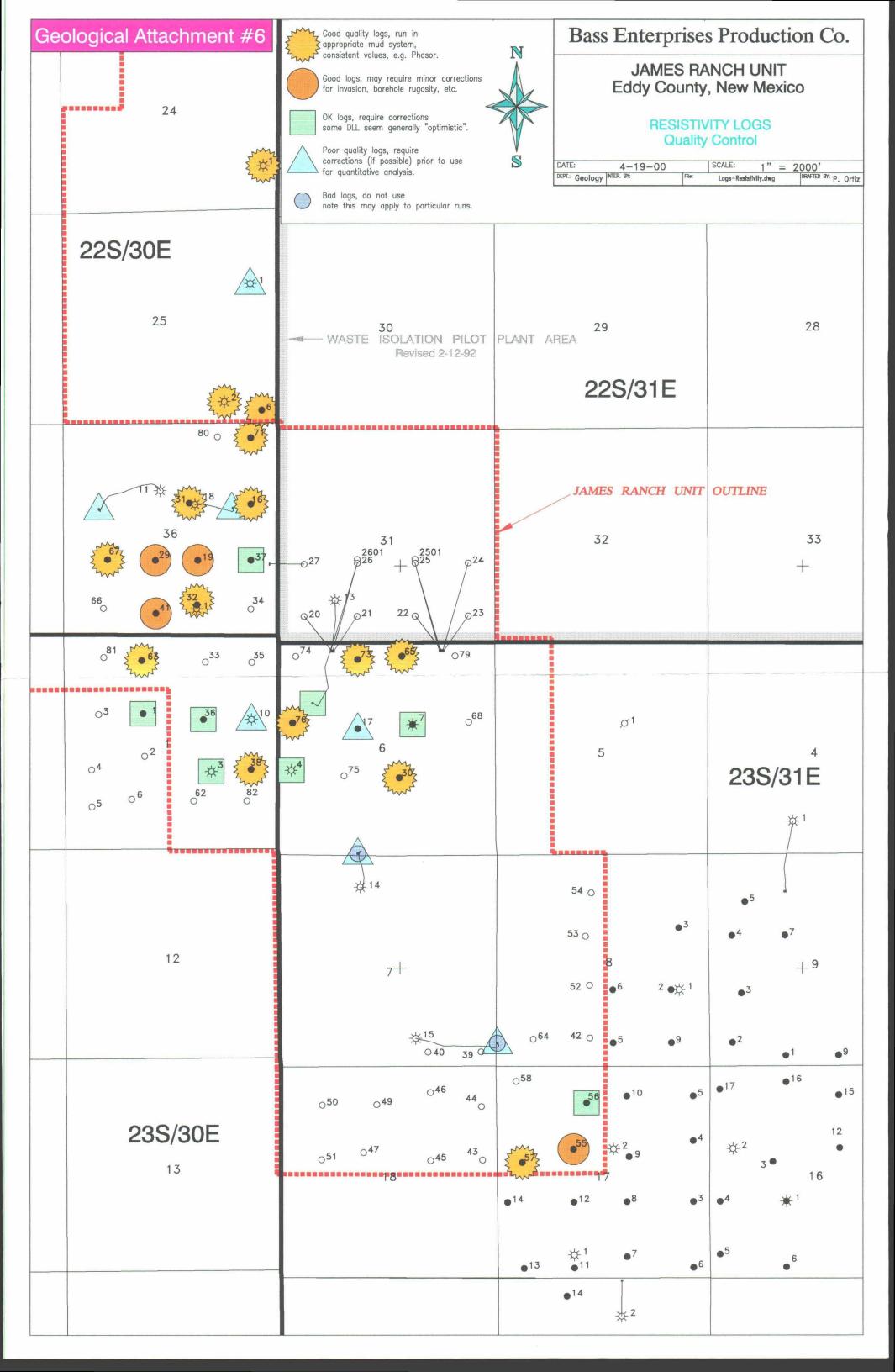
Operator	Well	Log Date	Completion Date
Enron	JRU 16	01/15/96	02/04/96
Enron	JRU 17	01/07/94	01/21/94
Enron	JRU 30	11/11/93	12/09/93
Enron	JRU 65	08/01/96	11/27/96
Enron	JRU 71	10/08/94	10/15/94
Enron	JRU 73	07/14/96	09/28/96
Enron	JRU 76	10/13/96	11/25/96

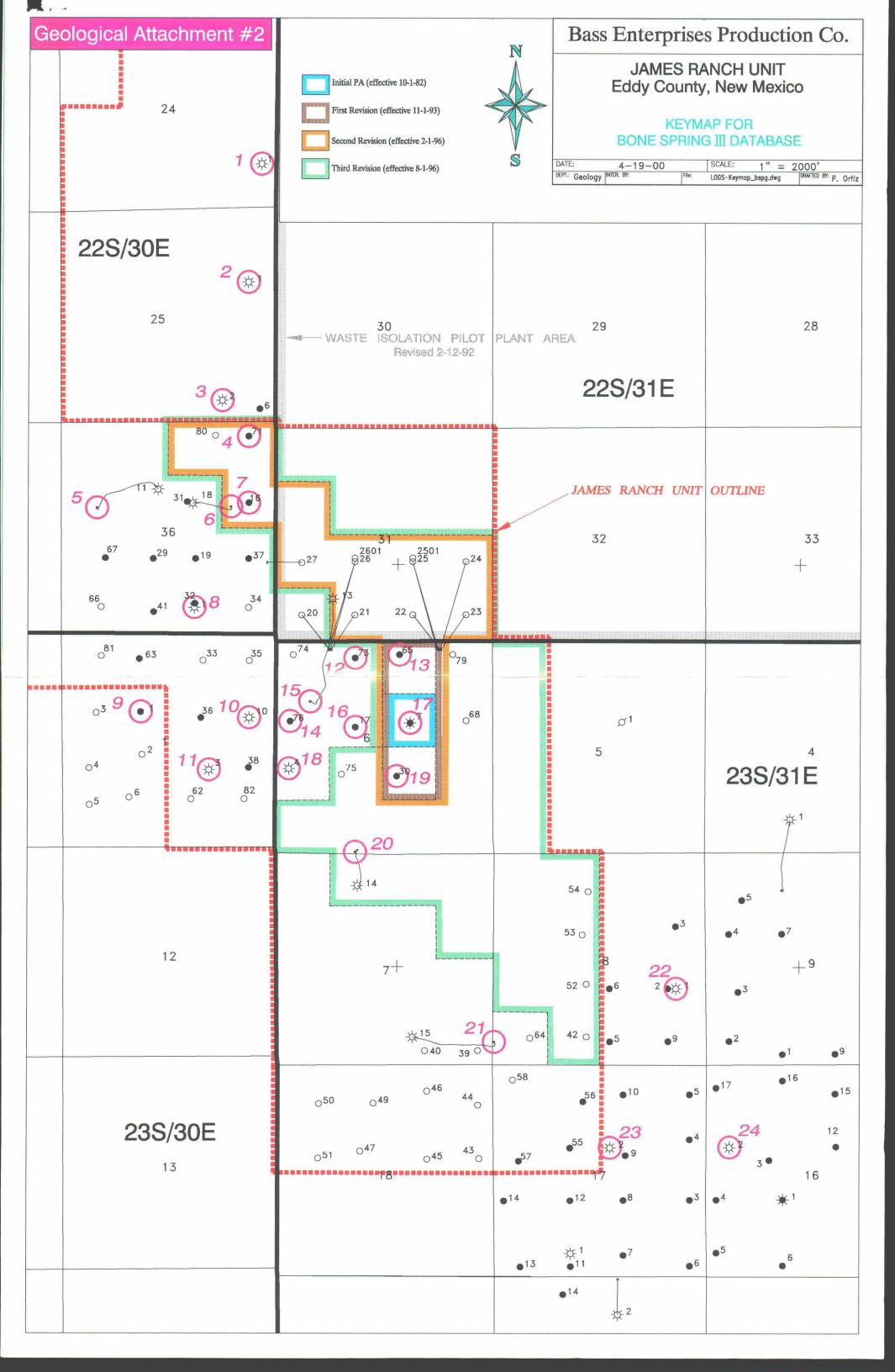
KEY MAP James Ranch Unit Bone Spring Proposed Participating Area

SEC-TWN-RNG	KEY#	WELL NAME/#
Section 24-T22S-R30E		
Section 24-1225-R30E	#1	Apache "24" Federal #1
Section 25-T22S-R30E		
	#2	Apache "25" Federal #1
Section 36-T22S-R30E	#3	Apache "25 Federal Com. #2
3ection 30-1223-R30E	#4	James Ranch Unit #71
	#5	James Ranch Unit #11
	#6	James Ranch Unit #18
	#7 "0	James Ranch Unit #16
Section 1-T23S-R30E	#8	James Ranch Unit #1
Jection 1-1200-100L	#9	Hudson Federal #1
	#10	James Ranch Unit #10
- · · · · · · · · · · · · · · · · · · ·	#11	James Ranch Unit #3
Section 6-T23S-R31E	#12	James Ranch Unit #73
	#12 #13	James Ranch Unit #65
	#14	James Ranch Unit #76
	#15	James Ranch Unit #13
	#16	James Ranch Unit #17
	#17 #18	James Ranch Unit #7 James Ranch Unit #4
	#19	James Ranch Unit #30
	#20	James Ranch Unit #14
Section 8-T23S-R31E	110.4	
	#21 #22	James Ranch Unit #15 North Pure Gold "8" Federal #1
Section 17-T23S-R31E	77 & &	HOILIT LIE GOIL O FELEIAI#1
	#23	Pure Gold "C-17" Federal #2
Section 16-T23S-R31E		
	#24	Medano "VA" State #2









BASS ENTERPRISES PRODUCTION COMPANY JAMES RANCH UNIT (BONE SPRING) PROPOSED PARTICIPATING AREA REVISIONS

GEOLOGICAL ATTACHMENTS

- 1. Type Log: JRU No. 30 (Section 6, T23S-R31E)
- 2. <u>Wireline Logs/Mudlogs</u>: Data base for 24 wells Includes porosity, resistivity, and mudlogs for key wells
- 3. <u>Producing Horizons</u>: Map illustrating producing reservoir horizons at James Ranch Unit
- 4. <u>Base Map Existing Wells Logging Date:</u> Base map illustrating by well, the original operator, logging company, and logging date (tabulation includes logging and completion date). Bone Spring penetrations are highlighted.
- 5. Log Quality Control: Porosity logs
- 6. Log Quality Control: Resistivity logs
- 7. Structure Map: Top Wolfcamp/Base Bone Spring III
- 8. Net Pay Isopach Map: Bone Spring III—critical contour @ 25' ≥ 10% porosity

INTRODUCTION

The initial participating area for the Bone Spring III reservoir, and its first revision, was applied for and approved in October, 1994 (effective dates 10/1/82 and 11/1/93 respectively). This area of 120 acres is located in Section 6, T23S-R31E (W/2 of NE/4 and NW/4 of SE/4).

Subsequent drilling in the unit has substantiated expansion of the participating area to the north and south.

GEOLOGICAL SETTING AND PETROPHYSICS

The Bone Spring III reservoir at James Ranch Unit is made up of several clastic turbidite flows. Originally mapped using a 12% porosity cut-off, a NW-SE channel complex was identified. Subsequent drilling and workovers are now supportive of a 10% porosity cut-off for net pay and shows that in addition to the previously recognized NW-SE complex we have a secondary channel trend, traversing Section 1, T23S-R30E, which enjoins with the earlier known channel trend. Key wells substantiating this secondary trend include a workover in the Hudson Federal No. 1 (SE of NW/4, Section 1, T23S-R30E) which established, though it be non-commercial, production from the reservoir. Weak drilling shows and possible behind pipe by logs in the JRU Nos. 3 and 4 respectively have also been supportive. The JRU No. 14 is a key well in confirming the secondary channel-trend (NE/4 of NW/4 Section 7, T23S-R31E). Originally believed to be located on the originally presented channel, drilling (JRU Nos. 17, 73, 76) in the NW/4 of Section 6, T23S-R31E has shown that the No. 14 is in fact part of this secondary channel. Examination of the logs and mudlog on the No. 14 illustrate that the Bone Spring III reservoir is behind-pipe pay in the well, which currently is producing from the Morrow. This data has greatly helped in explaining why the original NW-SE channel, as it came through Section 36 (22S-30E) and the northerly sector of Section 6 (23S-31E) widens out before continuing southeast toward the Sand Dunes area, as confirmed by the Pure Gold 8 No. 1 (NE/4 of SW/4, Section 8, T23S-R31E), which has the Bone Spring III pay zone existing behind-pipe (pay @ 11,160-11,222 gross—very good drilling show including oil in the trap).

PROPOSED REVISIONS TO THE PARTICIPATING AREA

1. Second Revision (effective date 2/1/96)

The drilling of JRU 71 (completed 10/15/94) and the JRU 16 (completed 2/4/96) confirmed the original channel trend extending northwest from the original participating areas. The log data from the Mitchell Apache Federal 25-2 (25-23S-30E) led to the drilling of these wells but it was not until the No. 16 was completed that we could confirm the commerciality in the northeastern sector of Section 36 (T22S-R30E). Plans are ongoing (with an approved drilling permit for the JRU No. 80) to develop this

participating area revision which extends across sectors of Section 31 and enjoins with the original participating area.

2. Third Revision (effective date 8/1/96)

Based upon subsequent drilling and map updates, this revision is proposed to the south, east, and southeast of the original participating areas. In addition to the JRU Nos. 7 and 30, the JRU No. 14 and the Pure Gold 8 No. 1, both discussed earlier, are key wells to this revision. Although drilled in 1983 and 1990 respectively, it was not until the subsequent drilling in the N/2 of Section 6 (23S-31E) that we became aware of the two depositional trends existing and thus the logging date for JRU 65 (8/1/96) is the recommended date for the third revision. Development of the revised area is unfortunately going to be very difficult due to potash reserves. We have had three drilling applications denied to date (JRU 68 and 69 in Section 6 and JRU 53 in Section 8). At this time only one drilling application, the JRU 79 (NE of NE/4, Section 6, T23S-R31E) has been approved.

Finally, please feel free to call either Simianne Hayden (817 390-8664) or George Hillis (817 390-8661) with any questions on this application for the Bone Spring III participating area extensions at James Ranch Unit.

George A. Hillis

Simianne Johnson-Hayden

GAH:SJH:jp

BASS ENTERPRISES PRODUCTION CO.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131
817/390-8400

April 20, 2000

Bureau of Land Management P. O. Box 1397

Roswell, New Mexico 8820-2019

Attention: Ed Roberson

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148 Attention: Jami Bailey New Mexico Oil Conservation Division 2040 S. Pacheco Street Santa Fe, New Mexico 87505 Attention: Lori Wrotenbery

Re:

Application for Approval of the Second Revision of the Initial Bone Springs Participating Area James Ranch Unit, No. 14-08-001-558 Eddy County, New Mexico

Ladies and Gentlemen:

Bass Enterprises Production Co., as unit operator of the James Ranch Unit Agreement, pursuant to the provisions of Section 11 thereof, respectfully submits for your approval the selection of the following described lands to constitute the second revision to the Initial Bone Springs Participating Area. The revised participating area consists of 560.86 acres to be comprised of the lands indicated on the plat attached hereto and further described as follows:

T22S-R30E

Section 36: N/2 NE/4, SE/4 NE/4

T22S-R31E

Section 31: Lots 2, 3, E/2 SW/4, SE/4

T23S-R31E

Section 6: Lot 2, SW/4 NE/4, NW/4 SE/4

All in Eddy County, New Mexico and containing exactly 560.86 acres of land.

In support of this application, the following numbered items are attached hereto and made a part hereof:

1. An ownership map (Exhibit "A") depicting the boundaries of the proposed second revision to the Initial Bone Springs Participating Area.

April 20, 2000 Second Revision – Bone Springs Page 2

- 2. A schedule (Exhibit "B") identifying the lands entitled to participation in the revised participating area with the percentage of participation of each lease or tract indicated thereon.
- 3. A geological report with accompanying geological maps supporting and justifying the proposed selection of the revised area based on the results obtained from the James Ranch Unit Well No. 16.

This proposed second revision to the Initial Bone Springs Participating Area is predicated upon the knowledge and information first obtained from the James Ranch Unit Well No. 16 in February, 1996. It should be noted that James Ranch Unit Well No. 16 has been previously determined as capable of producing in commercial quantities. According to Section 11 of the Unit Agreement, the effective date of the subject revision should be the first of the month in which the above information was obtained or February 1, 1996. Therefore, Bass respectfully requests your approval of the hereinabove described 560.86 acres of land to constitute the second revision of the Initial Bone Springs Participating Area, to be effective February 1, 1996.

Thank you very much for your cooperation in this regard and should you have any questions or comments concerning same, please do not hesitate to contact the undersigned.

WWC:ca	Worth Carlin
ACCEPTED AND AGREED this	day of, 2000.
	BUREAU OF LAND MANAGEMENT
	By:
	COMMISSIONER OF PUBLIC LANDS
	Ву:
	NEW MEXICO OIL CONSERVATION DIVISION
	By:

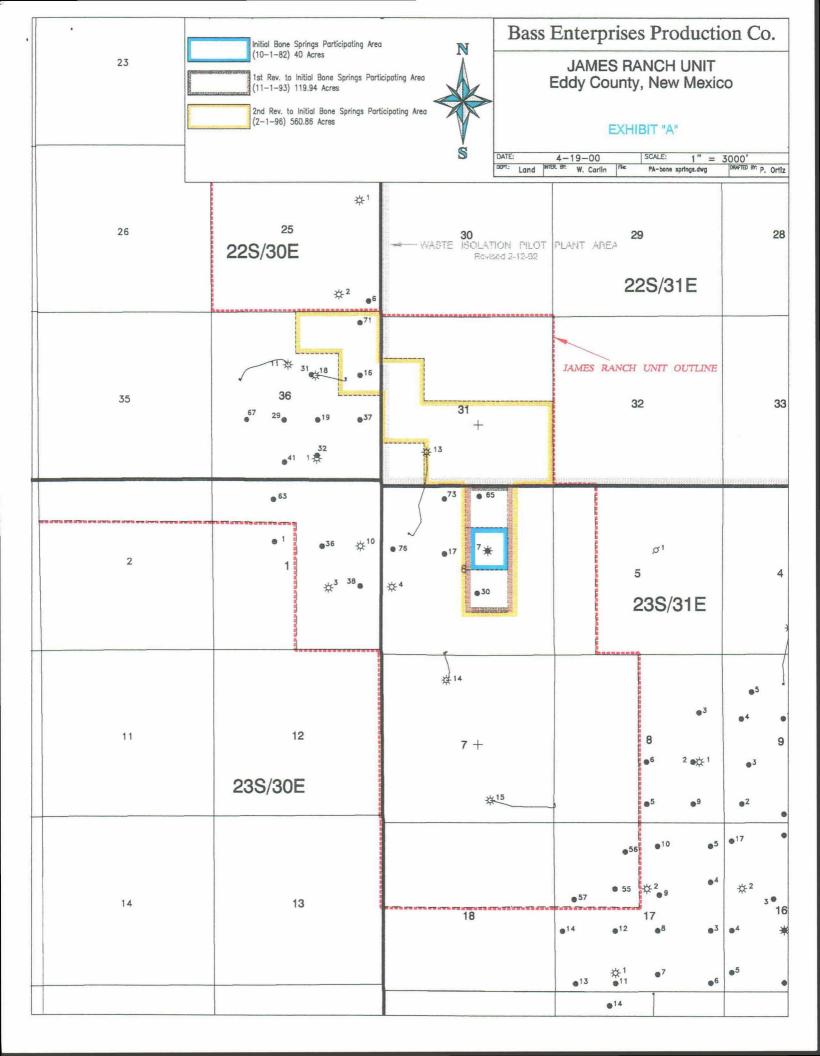


EXHIBIT "B" Second Revision to Initial Bone Springs Participating Area James Ranch Federal Unit Eddy County, New Mexico

Total Total Total Total:		21	~	7	7	4	Tract
Total Federal Lands: Total State Lands: Total Fee Lands: Total:		E-5229-1	NM 04473	NM 02953-C	NM 02953	NM 02887-A	Lease No.
440.86 Acres 120.00 Acres 0.00 Acres 560.86 Acres	TOTALS:	Section 36, T22S-R30E; N/2 NE/4, SE/4 NE/4	Section 6, T23S-R31E; NW/4 SE/4	Section 31, T22S-R31E; Lot 3, E/2 SW/4, SE/4	Section 31, T22S-R31E; Lot 2	Section 6, T23S-R31E; Lot 2, SW/4 NE/4,	Description
	560.86	120	40.00	280.47	40.45	79.94	Participating Acres
	100%	21.39571	7.13191	50.00713	7.21214	14.25311	Percentage of Participation
		Bass Enterprises Production Co -	Bass Enterprises Production Co	Bass Enterprises Production Co Enron Oil & Gas -	Conoco, Inc	Bass Enterprises Production Co	Working Interest Owners
		100%	100%	33.333% 66.667%	100%	100%	

BASS ENTERPRISES PRODUCTION COMPANY JAMES RANCH UNIT (BONE SPRING) PROPOSED PARTICIPATING AREA REVISIONS

GEOLOGICAL ATTACHMENTS

- 1. <u>Type Log</u>: JRU No. 30 (Section 6, T23S-R31E)
- 2. <u>Wireline Logs/Mudlogs</u>: Data base for 24 wells Includes porosity, resistivity, and mudlogs for key wells
- 3. <u>Producing Horizons</u>: Map illustrating producing reservoir horizons at James Ranch Unit
- 4. <u>Base Map Existing Wells Logging Date:</u> Base map illustrating by well, the original operator, logging company, and logging date (tabulation includes logging and completion date). Bone Spring penetrations are highlighted.
- 5. Log Quality Control: Porosity logs
- 6. Log Quality Control: Resistivity logs
- 7. Structure Map: Top Wolfcamp/Base Bone Spring III
- 8. Net Pay Isopach Map: Bone Spring III—critical contour @ 25' ≥ 10% porosity

INTRODUCTION

The initial participating area for the Bone Spring III reservoir, and its first revision, was applied for and approved in October, 1994 (effective dates 10/1/82 and 11/1/93 respectively). This area of 120 acres is located in Section 6, T23S-R31E (W/2 of NE/4 and NW/4 of SE/4).

Subsequent drilling in the unit has substantiated expansion of the participating area to the north and south.

GEOLOGICAL SETTING AND PETROPHYSICS

The Bone Spring III reservoir at James Ranch Unit is made up of several clastic turbidite flows. Originally mapped using a 12% porosity cut-off, a NW-SE channel complex was identified. Subsequent drilling and workovers are now supportive of a 10% porosity cut-off for net pay and shows that in addition to the previously recognized NW-SE complex we have a secondary channel trend, traversing Section 1, T23S-R30E, which enjoins with the earlier known channel trend. Key wells substantiating this secondary trend include a workover in the Hudson Federal No. 1 (SE of NW/4, Section 1, T23S-R30E) which established, though it be non-commercial, production from the reservoir. Weak drilling shows and possible behind pipe by logs in the JRU Nos. 3 and 4 respectively have also been supportive. The JRU No. 14 is a key well in confirming the secondary channel-trend (NE/4 of NW/4 Section 7, T23S-R31E). Originally believed to be located on the originally presented channel, drilling (JRU Nos. 17, 73, 76) in the NW/4 of Section 6, T23S-R31E has shown that the No. 14 is in fact part of this secondary channel. Examination of the logs and mudlog on the No. 14 illustrate that the Bone Spring III reservoir is behind-pipe pay in the well, which currently is producing from the Morrow. This data has greatly helped in explaining why the original NW-SE channel, as it came through Section 36 (22S-30E) and the northerly sector of Section 6 (23S-31E) widens out before continuing southeast toward the Sand Dunes area, as confirmed by the Pure Gold 8 No. 1 (NE/4 of SW/4, Section 8, T23S-R31E), which has the Bone Spring III pay zone existing behind-pipe (pay @ 11,160-11,222 gross—very good drilling show including oil in the trap).

PROPOSED REVISIONS TO THE PARTICIPATING AREA

1. Second Revision (effective date 2/1/96)

The drilling of JRU 71 (completed 10/15/94) and the JRU 16 (completed 2/4/96) confirmed the original channel trend extending northwest from the original participating areas. The log data from the Mitchell Apache Federal 25-2 (25-23S-30E) led to the drilling of these wells but it was not until the No. 16 was completed that we could confirm the commerciality in the northeastern sector of Section 36 (T22S-R30E). Plans are ongoing (with an approved drilling permit for the JRU No. 80) to develop this

participating area revision which extends across sectors of Section 31 and enjoins with the original participating area.

2. Third Revision (effective date 8/1/96)

Based upon subsequent drilling and map updates, this revision is proposed to the south, east, and southeast of the original participating areas. In addition to the JRU Nos. 7 and 30, the JRU No. 14 and the Pure Gold 8 No. 1, both discussed earlier, are key wells to this revision. Although drilled in 1983 and 1990 respectively, it was not until the subsequent drilling in the N/2 of Section 6 (23S-31E) that we became aware of the two depositional trends existing and thus the logging date for JRU 65 (8/1/96) is the recommended date for the third revision. Development of the revised area is unfortunately going to be very difficult due to potash reserves. We have had three drilling applications denied to date (JRU 68 and 69 in Section 6 and JRU 53 in Section 8). At this time only one drilling application, the JRU 79 (NE of NE/4, Section 6, T23S-R31E) has been approved.

Finally, please feel free to call either Simianne Hayden (817 390-8664) or George Hillis (817 390-8661) with any questions on this application for the Bone Spring III participating area extensions at James Ranch Unit.

George A. Hillis

Simianne Johnson-Hayden

GAH:SJH:jp

BASS ENTERPRISES PRODUCTION COMPANY JAMES RANCH UNIT (DELAWARE) PROPOSED PARTICIPATING AREAS

GEOLOGICAL ATTACHMENTS

- 1. <u>Type Log</u>: JRU No. 30 (Section 6, T23S-R31E)
- 2. <u>Wireline Logs/Mudlogs</u>: Data base for 44 wells Includes porosity, resistivity, and mudlogs for both producing zones and for uphole, behind-pipe pay intervals
- 3. <u>Producing Horizons</u>: Map illustrating producing reservoir horizons at James Ranch Unit
- 4. <u>Base Map Existing Wells Logging Date:</u> Base map illustrating by well, the original operator, logging company, and logging date (tabulation includes logging and completion date).
- 5. Log Quality Control: Porosity logs
- 6. Log Quality Control: Resistivity logs
- 7. Rw: Relationship for Rw vs Depth
- 8. Structure Map: Top Lower Brushy Canyon "D"
- 9. Net Pay Isopach Map: Lower Brushy Canyon "D"—critical contour @ 25′ ≥ 10% porosity
- 10. <u>Commercial Delaware Wells S.E. of JRU</u>: Documentation supporting commerciality in Sections 8 and 17 of T23S-R31E

INTRODUCTION

Drilling for deeper horizons below the Delaware from the 1950's through the early 1990's at James Ranch Unit essentially identified that a significant hydrocarbon reservoir existed within the Cherry and Brushy Canyon sections of the Delaware formation. This identification was based primarily from drill stem tests, mudlog shows and log evaluation. For example, as early as 1954 the Richardson and Bass Legg No. 1 (Section 27, T22S-R30E) potentialed for 67 BOPD (6112'-6118') from the Lower Brushy Canyon and in 1957, Shell's No. 1 James Ranch Unit (Section 36, T22S-R30E) recovered 450' oil on a Brushy Canyon drillstem test (6719'-6758'). Continued deep drilling through the 1980's confirmed the Delaware potential prior to it becoming a targeted reservoir.

During the 1990's attention became more focused on the Delaware, very much aided by fracture treatment technology. Since drilling became focused on the Delaware, 19 wells have targeted this reservoir in the southeastern sector of the unit. All of these wells are commercial. Around 12 additional locations are currently being permitted. Uphole, behind-pipe pay exists in the majority of the wells drilled to date.

GEOLOGICAL SETTING

The Delaware sands at James Ranch Unit were deposited as part of an extensive submarine fan complex, with thinly bedded sandstones and siltstones encasing stacked channel sequences of reservoir quality sandstones. The trapping mechanism is primarily stratigraphic with some subtle structural influence.

PETROPHYSICS

Based upon in-house studies and production experience of the Delaware at James Ranch Unit and elsewhere, the Lower Brushy Canyon is oil-bearing and productive at a density porosity cut-off of $\geq 10\%$ (sandstone matrix at 2.66 gm/cc). As we climb into the Cherry Canyon, the porosity cut-off increases to 15% sandstone porosity. The log database at James Ranch Unit is a very unique mixture of porosity and resistivity log types and of varying logging companies. For this reason, quality control of the logs has been essential. Typically we like to see the water saturations to be 65% or less. Mudlogs have been a very critical ingredient in pay recognition—it is difficult to question a zone's potential when you have good drilling shows ranging from good sample shows to oil in the trap or on the pits!

COMPLETIONS WITH UPHOLE PAY

Initial completions have concentrated on the Lower Brushy "D". Perforations are commonly limited to a central pay zone and then large fracture stimulations are made to communicate all the reservoir intervals from the top of the Lower Brushy Canyon "D" to the top of the Bone Spring. Since this has been the initial completion interval to date, and

on its own has been overall commercial, the Lower Brushy "D" is the reservoir interval illustrated in this application. Examination of the log/mudlog database illustrates the higher reserve uphole potential behind-pipe in the majority of the wells. Some of this has been accessed but in many of the wells has yet to be perforated.

PROPOSED PARTICIPATING AREAS

1. Initial P.A. (effective date 4/24/93)

Chronologically, JRU No. 19 (completed 4/24/93) should define the initial P.A. Completed in the Lower Brushy Canyon "B", "C" and "D", the well has produced 85 MBO + 180 MMCF through 11/30/99, with an anticipated ultimate recovery of 181 MBOE.

2. First Revision (effective date 1/1/94)

The JRU No. 19, together with earlier pay identification from deep tests in Section 36, T22S-R30E showed us that Section 36 was a commercial target area. Earlier "deep" tests in Section 6, T23S-R31E (JRU Nos. 4, 7, and 30) and in Section 1 of T23S-R30E (Hudson Federal No. 1 and JRU Nos. 3 and 10) had already indicated the Delaware potential in those areas, but confirmation of this was provided by the JRU No. 36. Completed 1/23/94, the No. 36 has produced 47 MBO + 90 MMCF from the Lower Brushy "D" through 11/30/99, and has an anticipated ultimate recovery of 153 MBOE. Additional pay still exists uphole.

3. Second Revision (effective date 4/1/94)

Delaware mapping during our early Delaware drilling showed us that the reservoir extended southeast outside of the unit into Sand Dunes, West (Sections 8, 9, 16 and 17 of T23S-R31E). Overall unaccessible due to potash mining, two earlier deep tests (JRU Nos. 14 and 15) strongly supported this potential in the Delaware. This potential was officially confirmed within the unit by the JRU No. 55 (completed 4/6/94). The JRU No. 55, through 11/30/99, has produced 55 MBO + 182 MMCF, and has an anticipated ultimate recovery of 165 MBOE.

SUMMARY

The proposed initial P.A. and P.A. revisions, in our opinion, define the minimum participating areas for the Delaware at James Ranch Unit. Drilling restrictions, due to potash, are the only reason why more drilling has not been done to substantiate the fact that a much larger area should be placed within a participating area. As previously stated, no non-commercial wells have been drilled. In fact, with our ongoing drilling program, five additional wells (JRU Nos. 31, 32, 38, 63, 67) will need to be filed as commercial wells. This program has also confirmed our earlier mapping that an additional channel complex, trending NW-SE, enters Section 36 (T22S-R30E) and

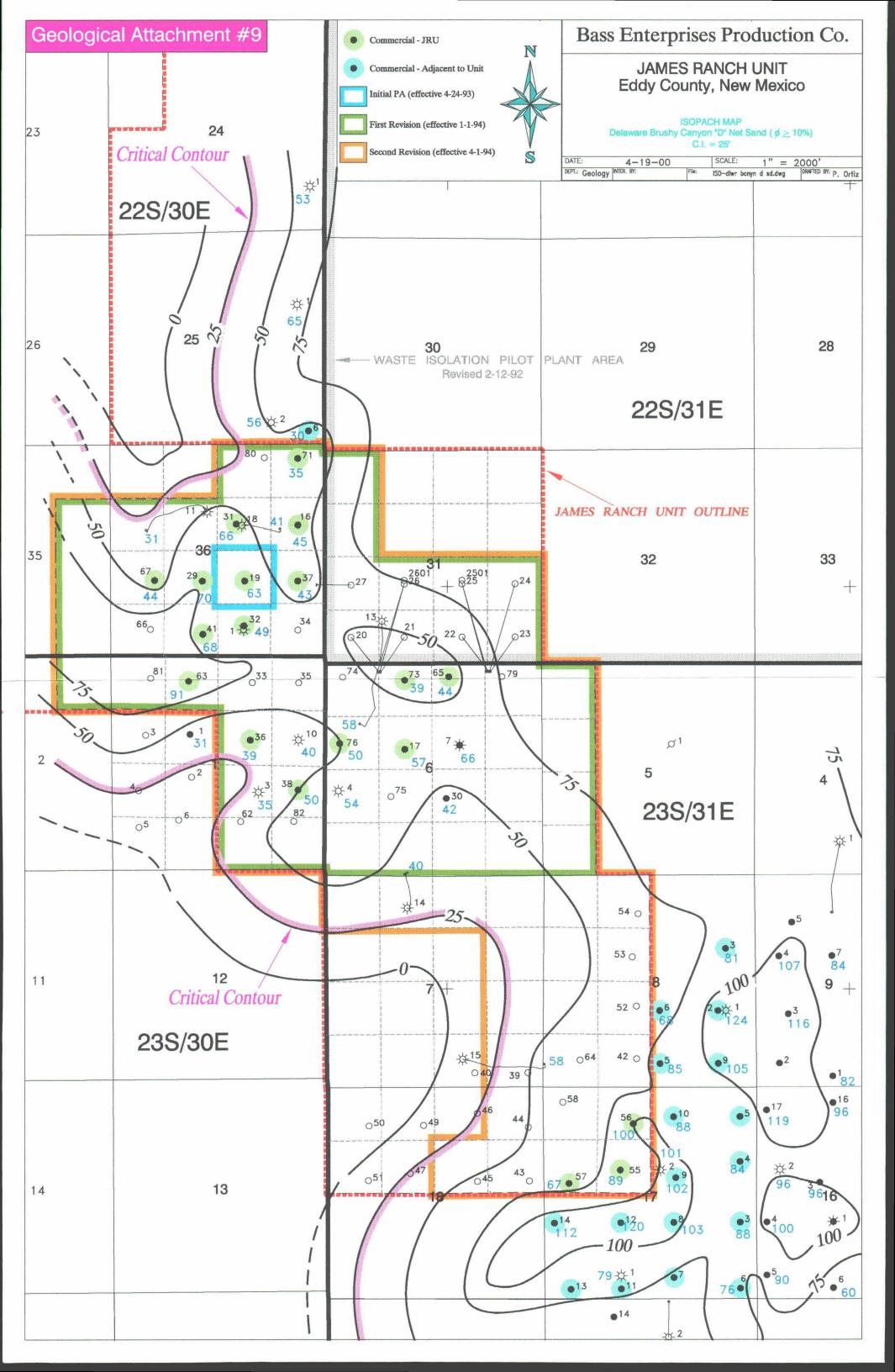
Section 1 (T23S-R30E) and then joins up with the main N-S complex which incorporates Sand Dunes, West. The Richardson and Bass Legg No. 1 (Section 27, T22S-R30E) is located along this fairway. We are in fact extremely encouraged by this secondary trend. Completed February 2, 2000, the JRU No. 63 (NW/4 Section 1, T23S-R30E) flowed at rates of over 500 BOPD from the Lower Brushy "D" during the first week. Currently, development drilling is going to target this secondary channel complex. There is no doubt that if the area were accessible for drilling, the unit acreage west and northwest of the proposed participating areas would greatly enlarge the P.A. area. We further believe, from subsurface mapping, that the Cabin Lake Cherry Canyon pay zone is present in that area. That reservoir will typically produce over 250 MBO/well. Together with Brushy Canyon pay zones, the reserves of this area within the potash reserves would constitute a significant asset to Bass Enterprises and the Bureau of Land Management.

Finally, please feel free to call either Simianne Hayden (817 390-8664) or George Hillis (817 390-8661) with any questions on this application for Delaware participating areas (initial, first revision, second revision) at James Ranch Unit.

George A. Hillis

Simianne Johnson-Hayden

GAH:SJH:jp



INTER-OFFICE MEMORANDUM MIDLAND OFFICE

MAR 2 0 2000
W. TEX./S.E. N.M.
EXPLORATION DEPT.

March 14, 2000

FOR:

FORT WORTH; FILE

TO:

GEORGE HILLIS

FROM:

KENT ADAMS

RE:

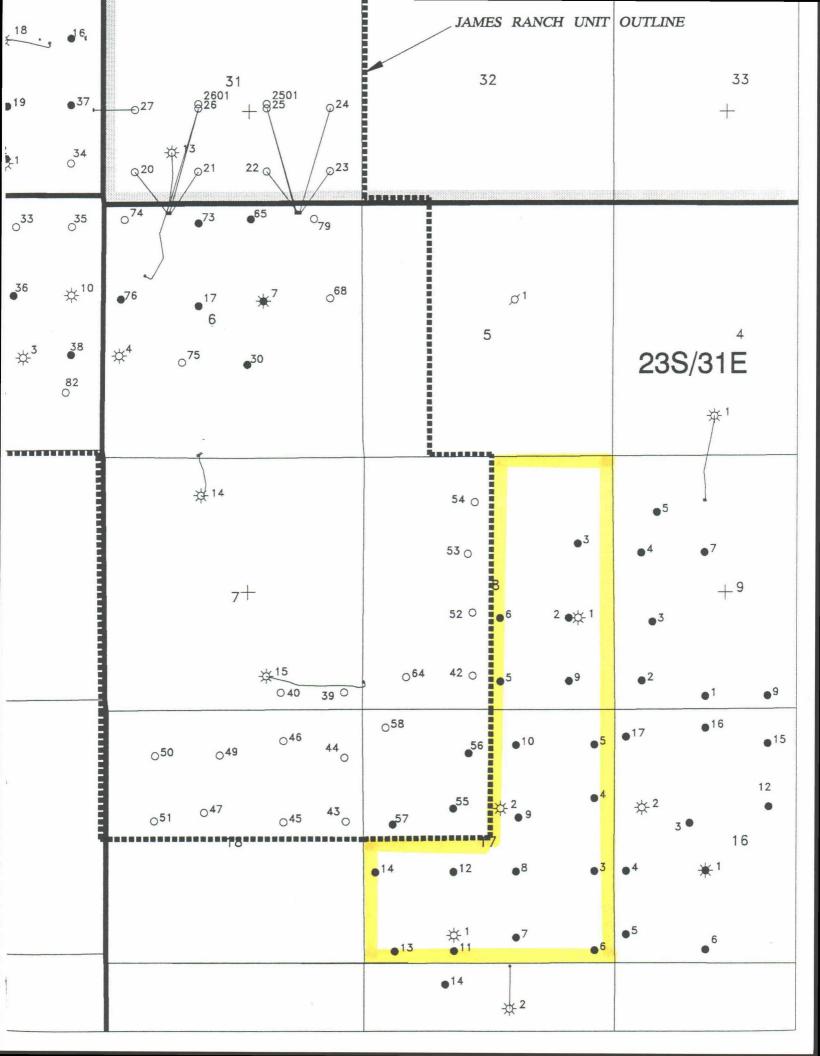
JRU OFFSET PRODUCTION SANTA FE ENERGY WELLS EDDY COUNTY, NEW MEXICO FILE: ESF; CD SANTAFE.DOC

Per your request, I have generated and attached forecasts for the Santa Fe Energy wells immediately offsetting the James Ranch Unit. For your use in determining their commerciality, I have also included a table summarizing the oil and gas EUR per well as well as plots of EUR vs BFIT NPV and EUR vs BFIT ROR taken from the JRU CD information forwarded previously.

Please advise if you have any questions or require additional information.

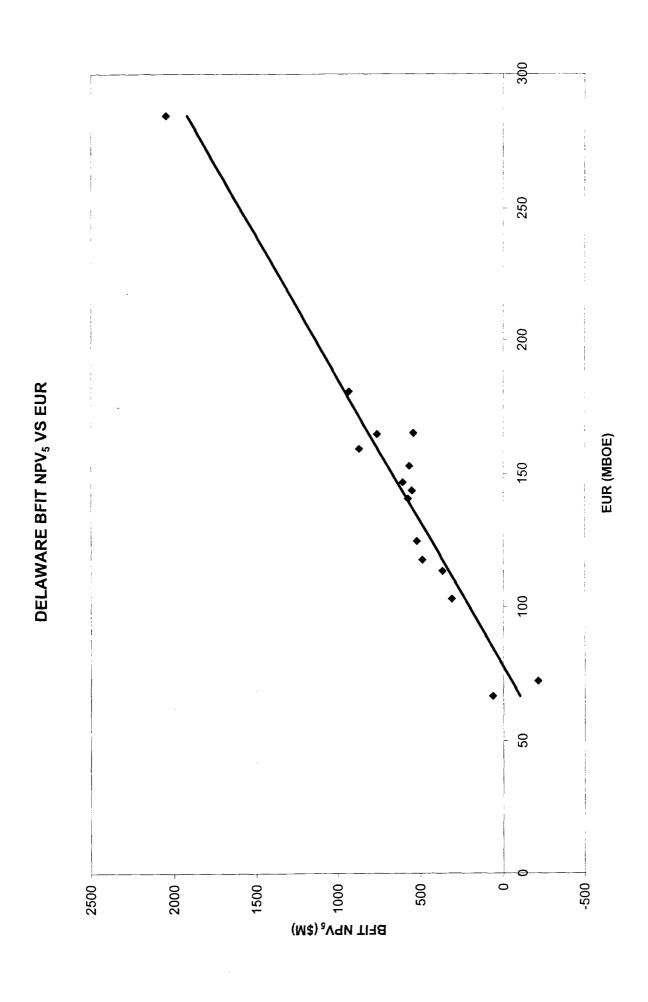
y kaa

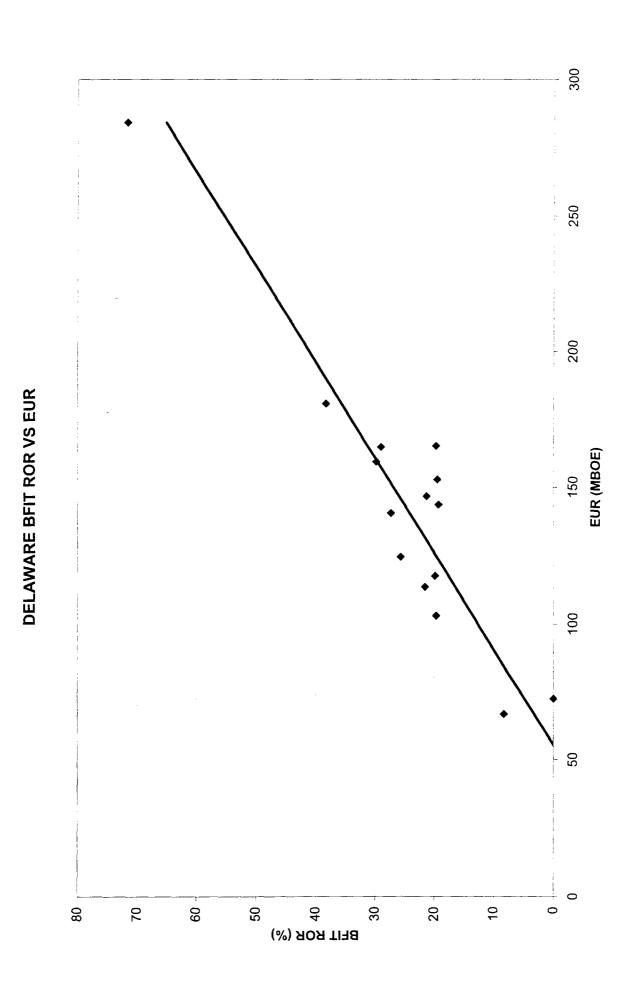
GEOLOGICAL
ATTACHMENT #10

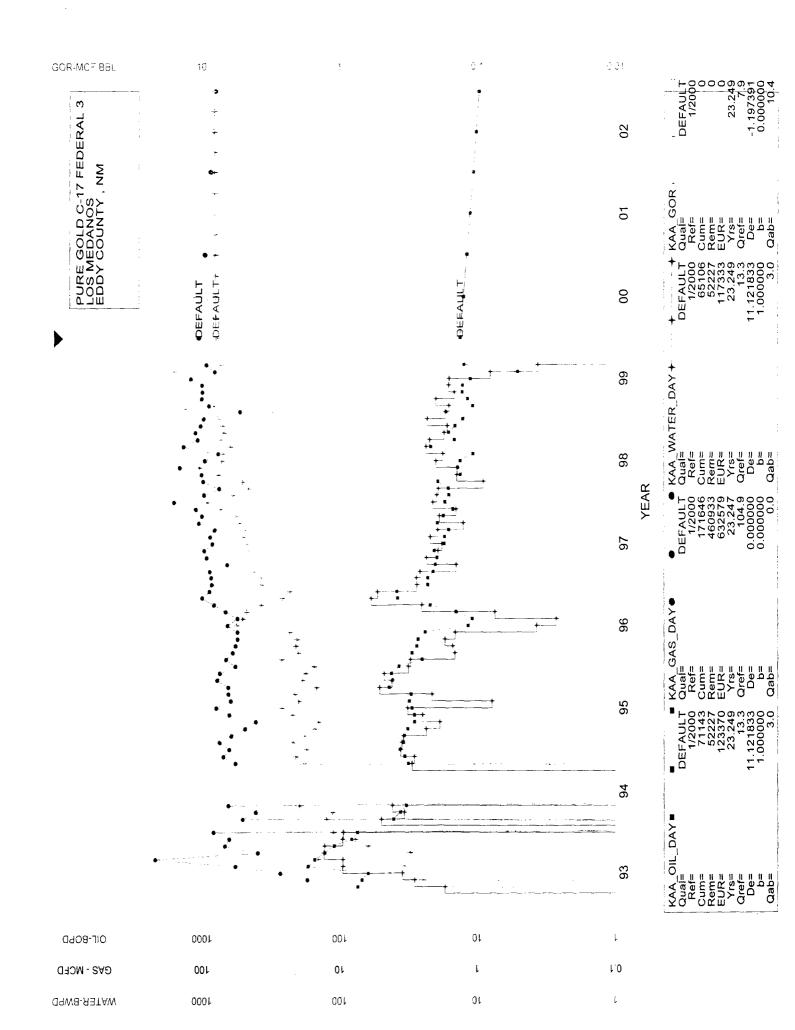


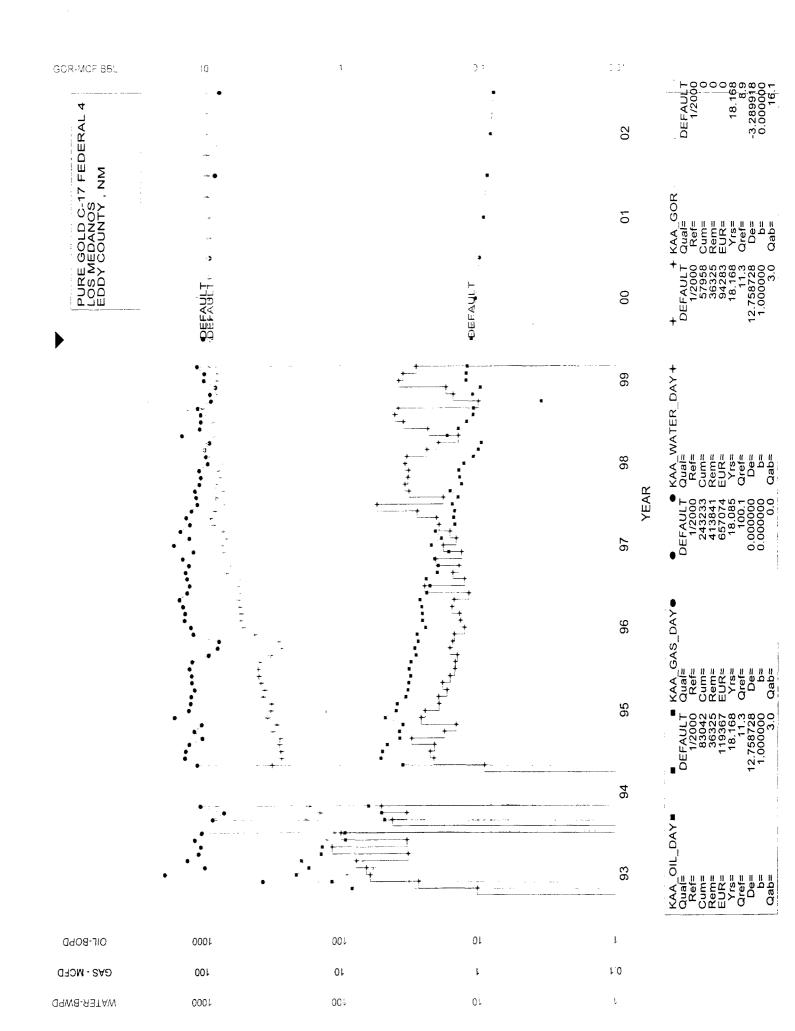
JRU Offset Production Pure Gold Leases - Santa Fe Energy Operator Los Medanos Field; Eddy Co, NM

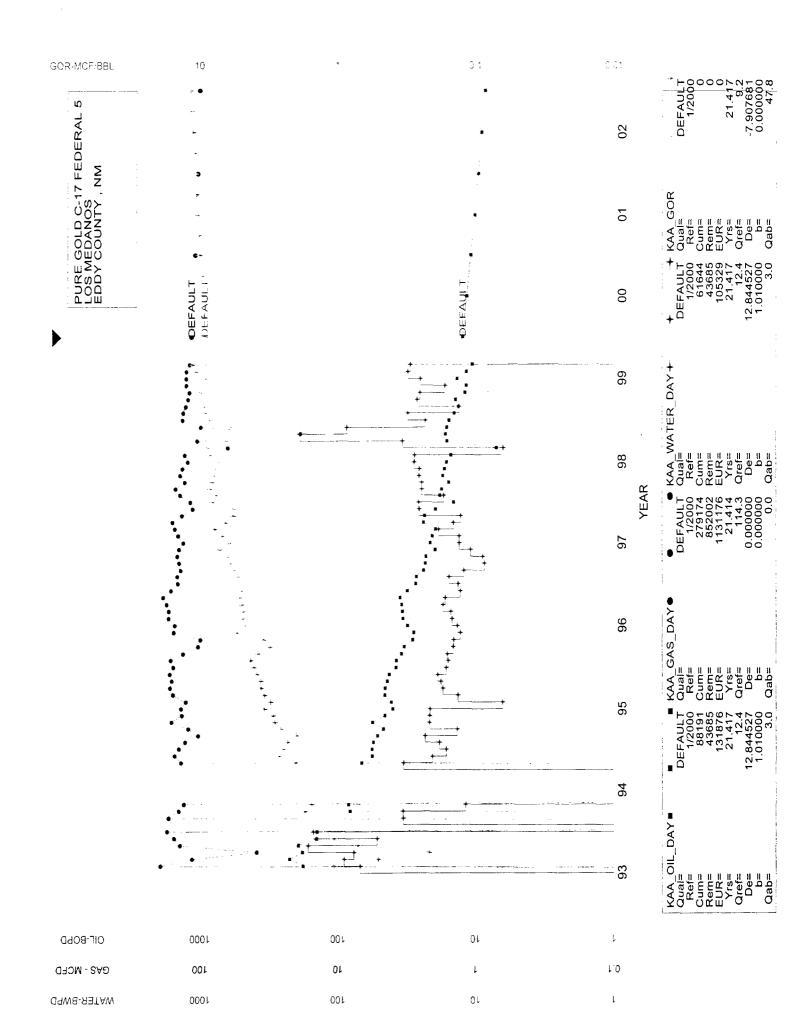
	EUR	EUR	EUR
Well Name	(MBO)	(MMCF)	(MBOE)
Pure Gold C-17 Federal #3	123	633	186
Pure Gold C-17 Federal #4	119	657	185
Pure Gold C-17 Federal #5	132	852	217
Pure Gold C-17 Federal #6	173	738	247
Pure Gold C-17 Federal #7	200	1516	352
Pure Gold C-17 Federal #8	184	827	267
Pure Gold C-17 Federal #9	199	1944	393
Pure Gold C-17 Federal #10	87	640	151
Pure Gold C-17 Federal #11	82	348	117
Pure Gold C-17 Federal #12	123	636	187
Pure Gold C-17 Federal #13	125	456	171
Pure Gold C-17 Federal #14	116	383	154
North Pure Gold 8 Federal #2	155	926	248
North Pure Gold 8 Federal #3	161	1027	264
North Pure Gold 8 Federal #5	80	334	113
North Pure Gold 8 Federal #6	87	352	122
North Pure Gold 8 Federal #9	123	678	191
Average	133	762	210

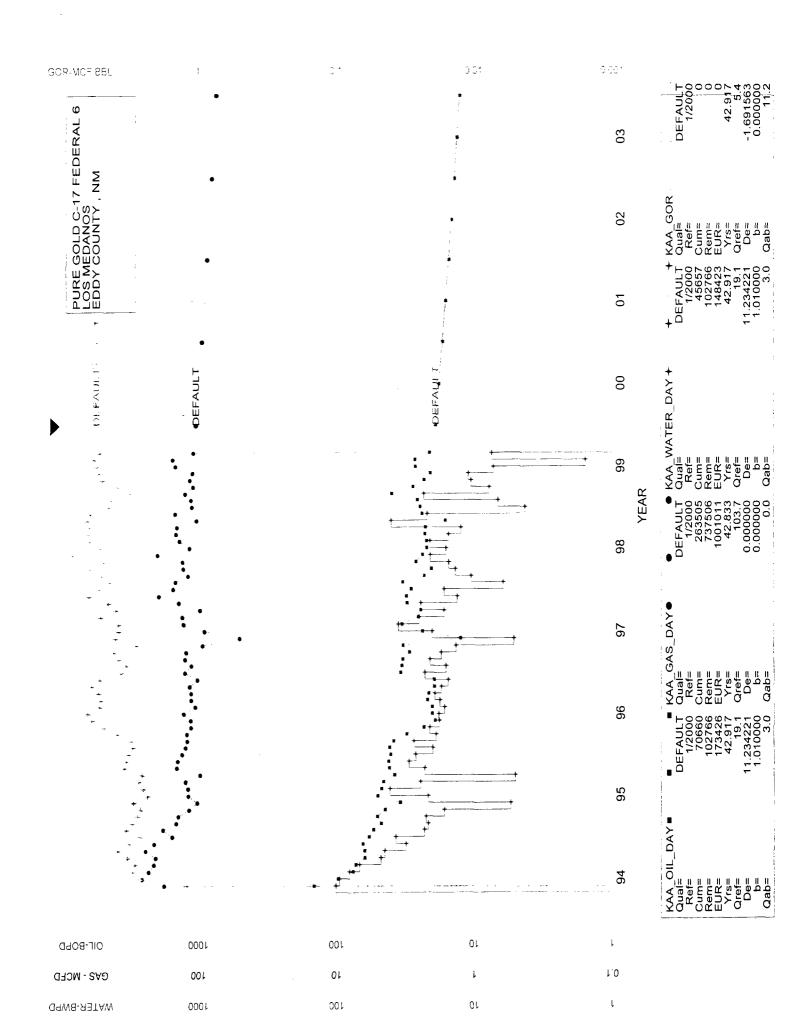


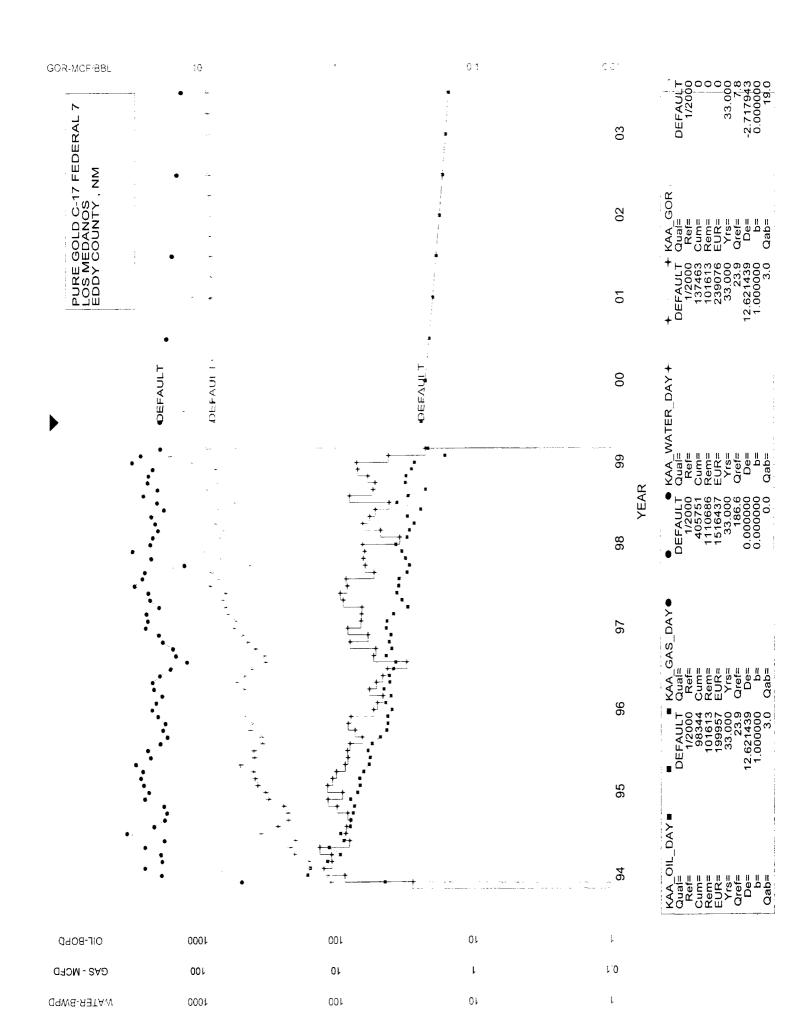


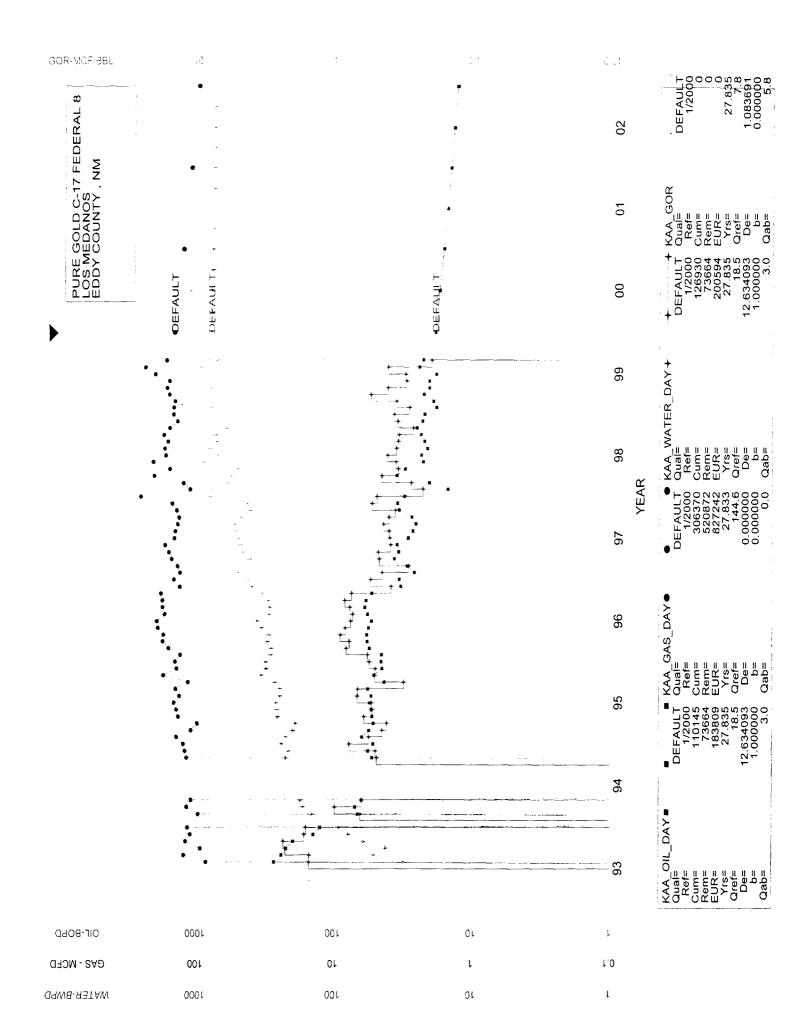


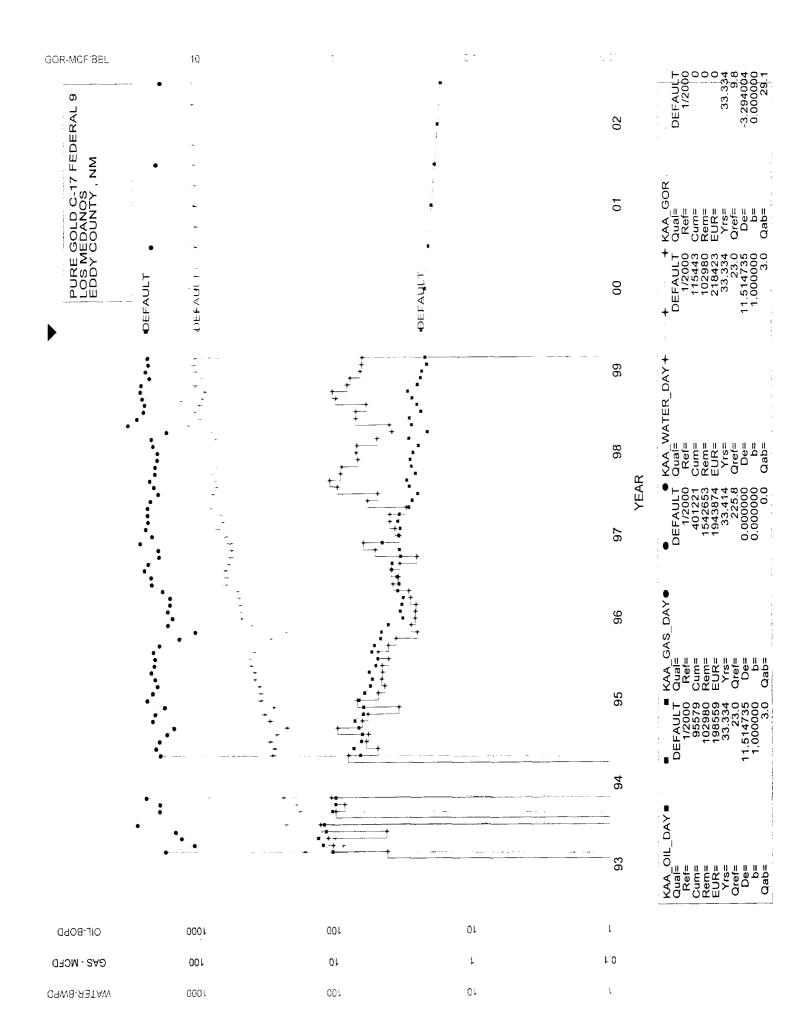




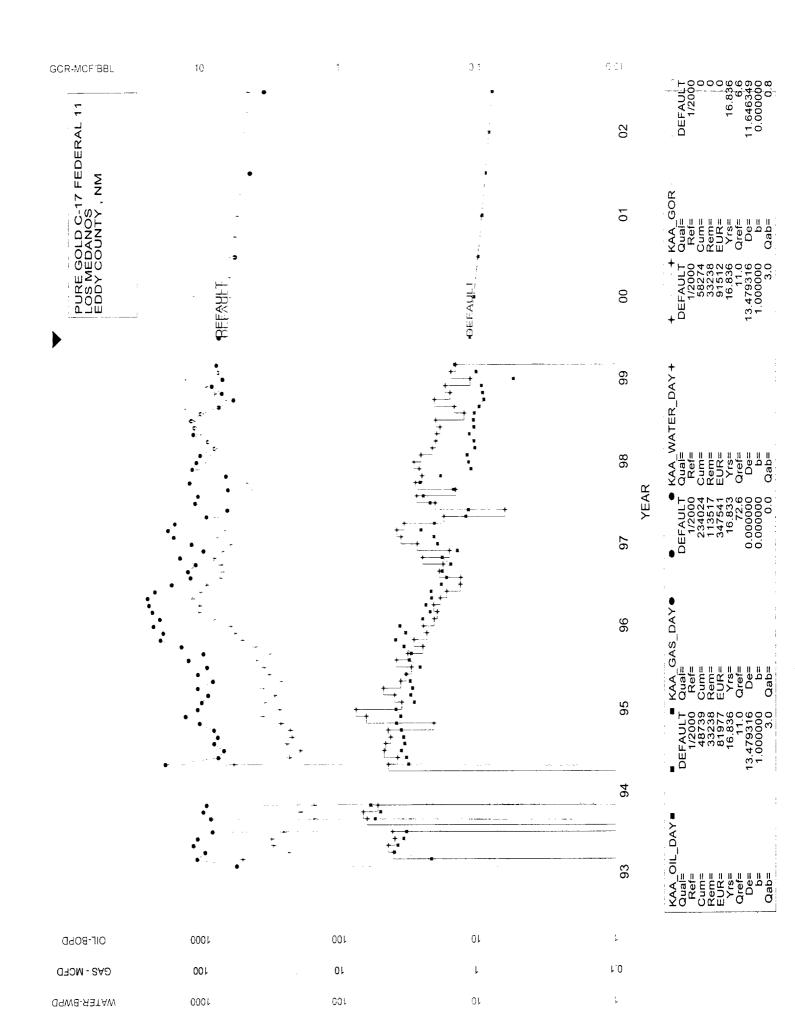


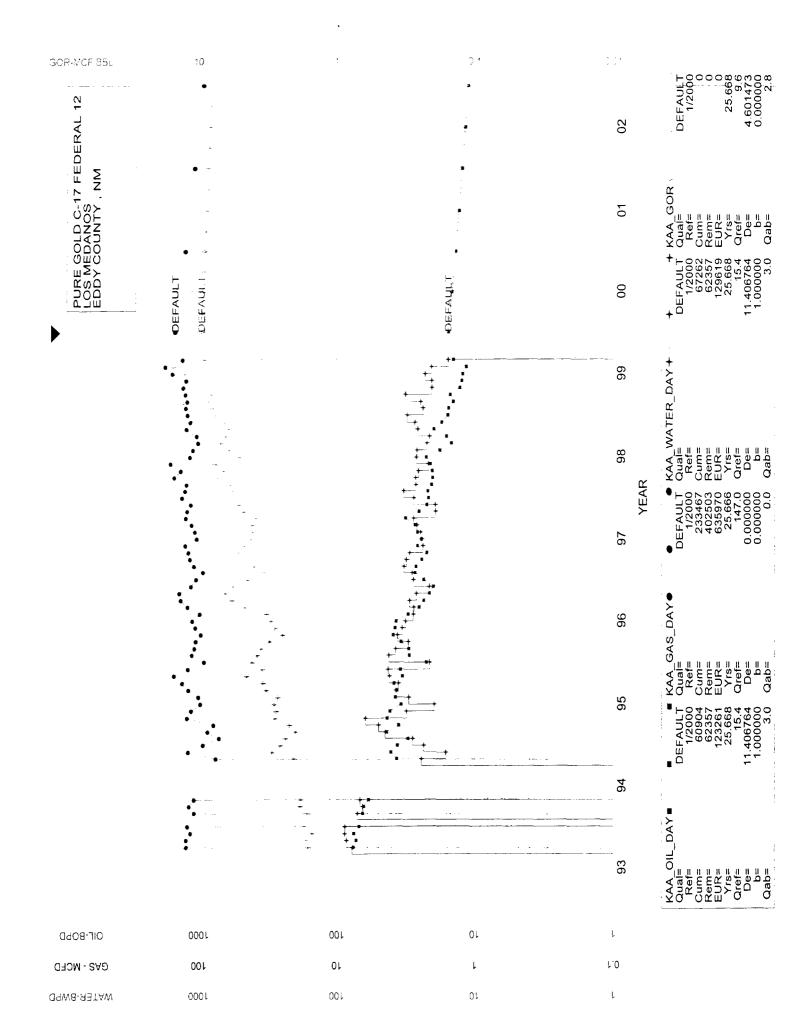


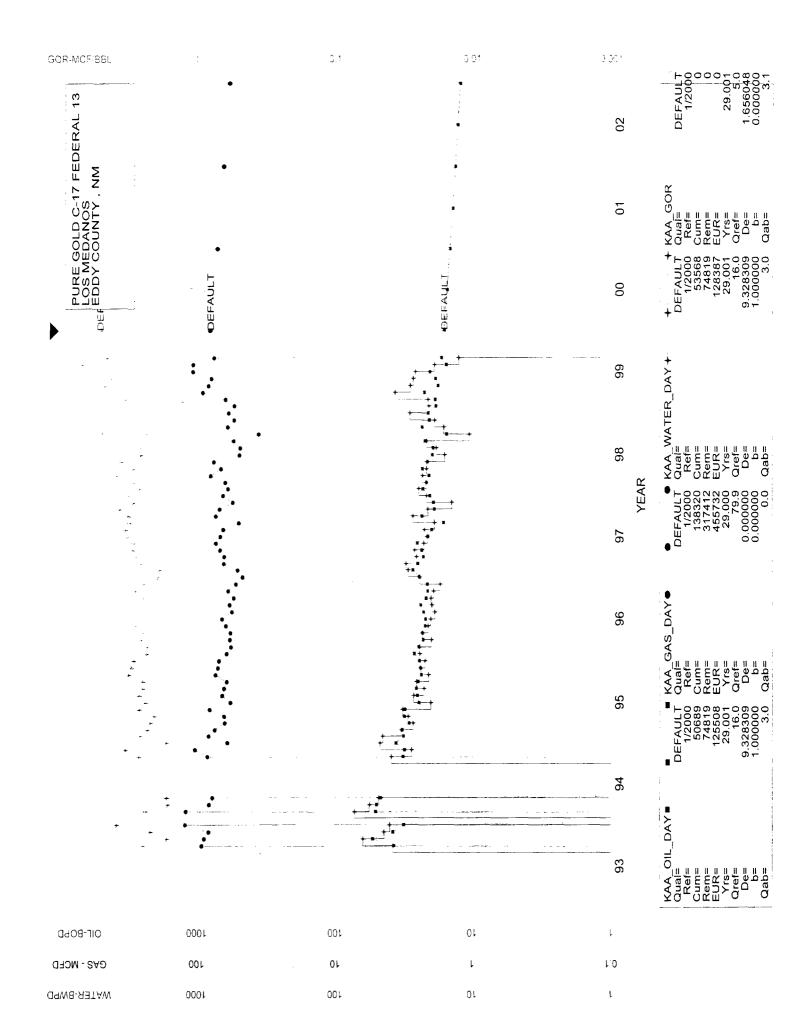


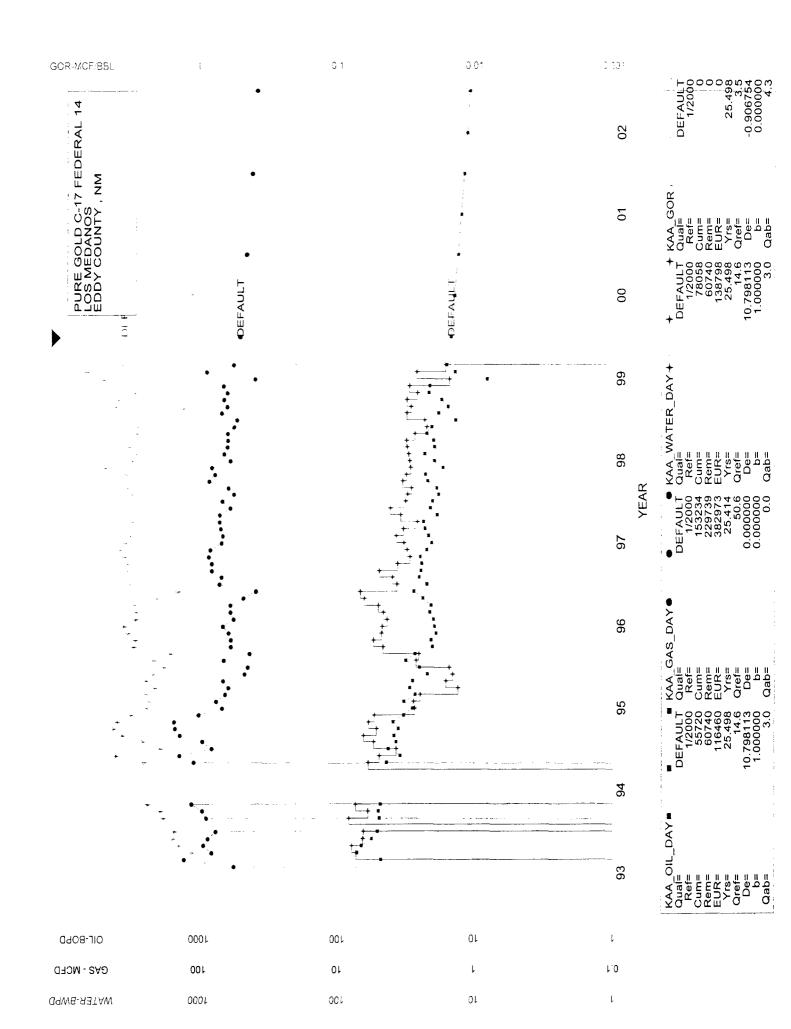


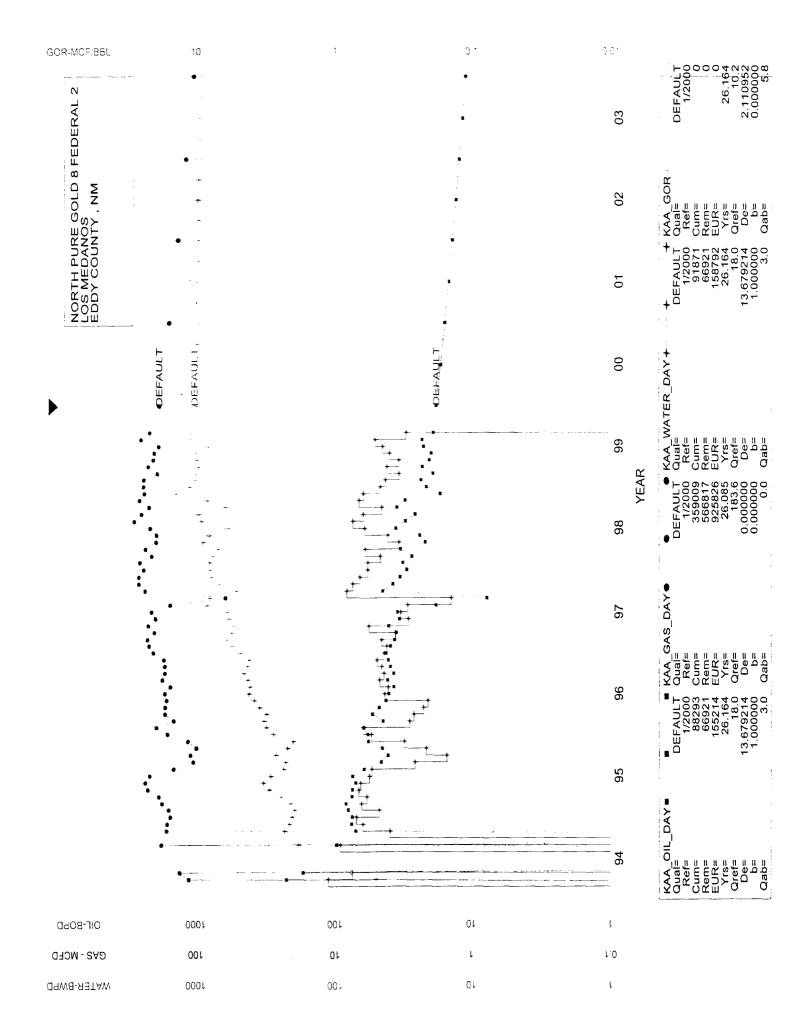


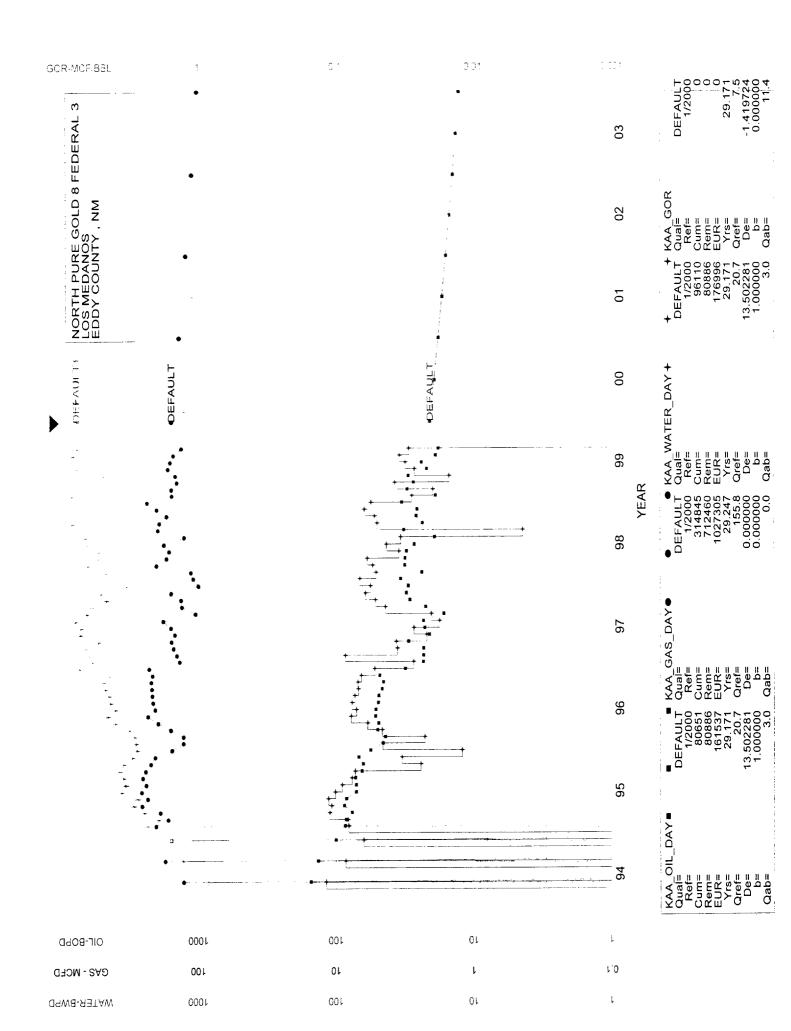


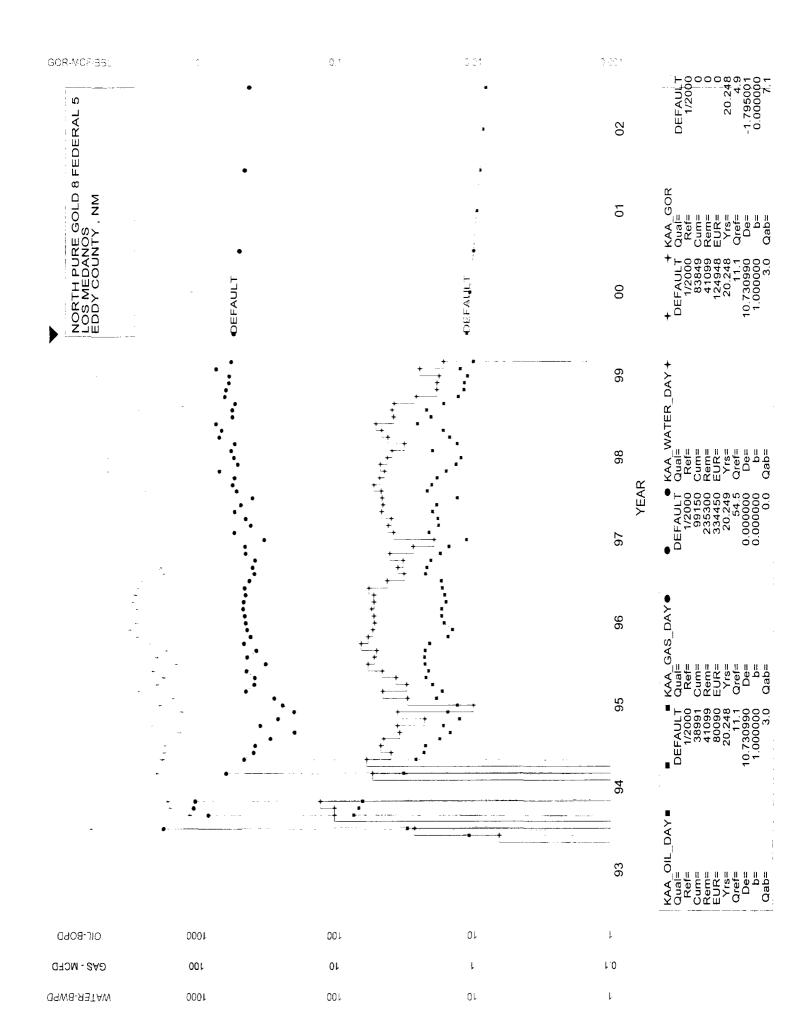


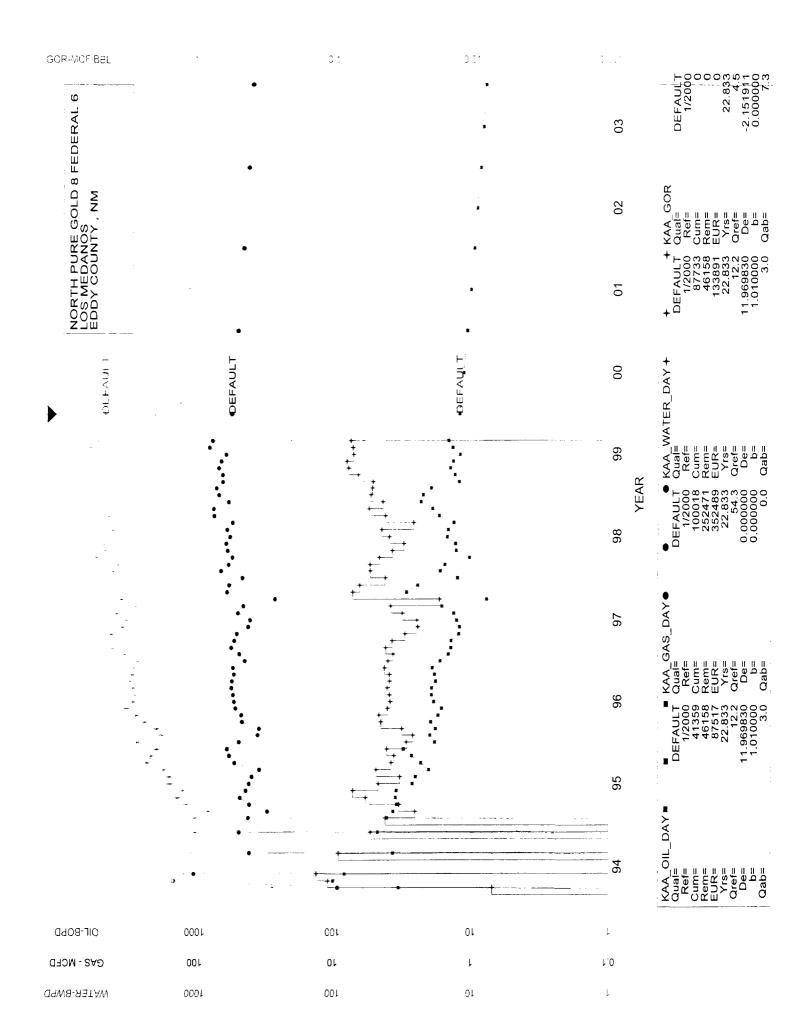


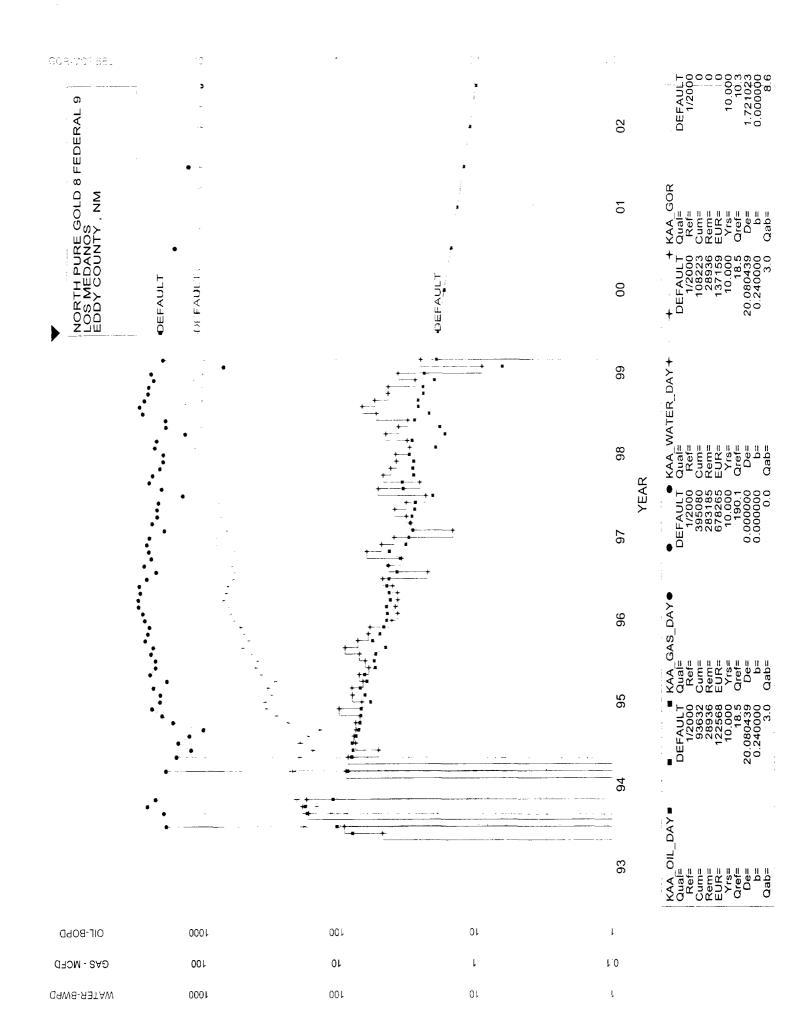












BASS ENTERPRISES PRODUCTION CO.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131

April 20, 2000

Bureau of Land Management P. O. Box 1397

Roswell, New Mexico 88201-2019

New Mexico Oil Conservation Division

2040 S. Pacheco Street

Santa Fe, New Mexico 87505

Attention: Ed Roberson Attention: Lori Wrotenbery

Commissioner of Public Lands

State of New Mexico P. O. Box 1148

Santa Fe, New Mexico 87504-1148

Attention: Jami Bailey

Re: Application for Approval of the Second Revision

of the Initial Delaware Participating Area James Ranch Unit, No. 14-08-001-558

Eddy County, New Mexico

Ladies and Gentlemen:

Bass Enterprises Production Co., as unit operator of the James Ranch Unit Agreement, pursuant to the provisions of Section 11 thereof, respectfully submits for your approval the selection of the following described lands to constitute the second revision to the Initial Delaware Participating Area. The revised participating area consists of 3,207.52 acres to be comprised of the lands indicated on the plat attached hereto and further described as follows:

T22S-R30E

Section 35: SE/4 NE/4, E/2 SE/4 Section 36: S/2, NE/4, S/2 NW/4

T22S-R31E

Section 31: Lots 1, 2, 3, 4, E/2 SW/4, SE/4

T23S-R30E

Section 1: Lots 1, 2, 3, 4, S/2 NE/4, SE/4

Section 2: Lot 1

T23S-R31E

Section 5: Lot 4, SW/4 NW/4, W/2 SW/4

Section 6: All

Section 7: Lot 1, NE/4 NW/4, N/2 NE/4, SE/4 NE/4, E/2 SE/4

Section 8: W/2 Section 17: NW/4

Section 18: E/2 NE/4, SW/4 NE/4

All in Eddy County, New Mexico and containing exactly 3,207.52 acres of land.

H:\LandSecs\Cornell Documents\LCA\WWC\Delaware PA\BLM2nd Revision - JRU Delaware.doc

April 20, 2000 Second Revision - Delaware Page 2

In support of this application, the following numbered items are attached hereto and made a part hereof:

- 1. An ownership map (Exhibit "A") depicting the boundaries of the proposed second revision to the Initial Delaware Participating Area.
- 2. A schedule (Exhibit "B") identifying the lands entitled to participation in the revised participating area with the percentage of participation of each lease or tract indicated thereon.
- 3. A geological report with accompanying geological maps supporting and justifying the proposed selection of the revised area based on the results obtained from the James Ranch Unit Well No. 55.

This proposed second revision to the Initial Delaware Participating Area is predicated upon the knowledge and information first obtained from the James Ranch Unit Well No. 55 in April, 1994. It should be noted that James Ranch Unit Well No. 55 has been previously determined as capable of producing in commercial quantities. According to Section 11 of the Unit Agreement, the effective date of the subject revision should be the first of the month in which the above information was obtained or April 1, 1994. Therefore, Bass respectfully requests your approval of the hereinabove described 3,207.52 acres of land to constitute the second revision of the Initial Delaware Participating Area, to be effective April 1, 1994.

Thank you very much for your cooperation in this regard and should you have any questions or comments concerning same, please do not hesitate to contact the undersigned.

Very truly yours,

WWC:ca	Worth Carlin
ACCEPTED AND AGREED this	day of, 2000.
	BUREAU OF LAND MANAGEMENT
	By:
	COMMISSIONER OF PUBLIC LANDS
	By:
	NEW MEXICO OIL CONSERVATION DIVISION
	By:

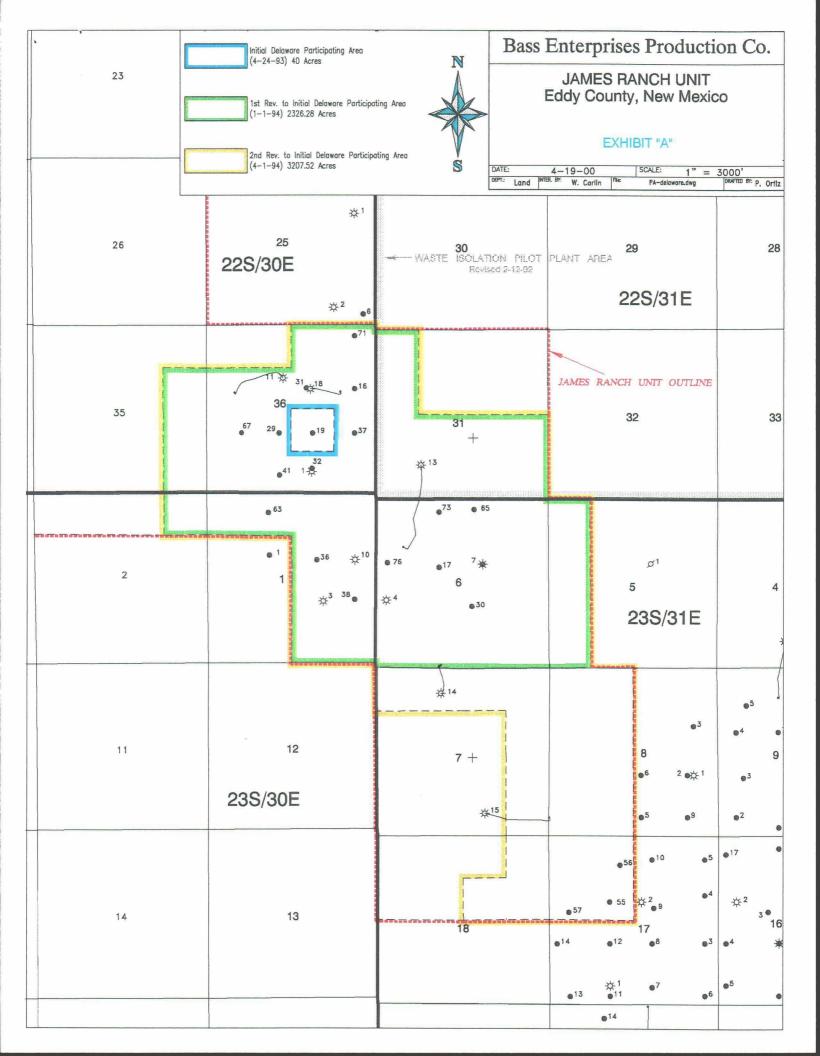


EXHIBIT "B" Second Revision to Initial Delaware Participating Area James Ranch Federal Unit Eddy County, New Mexico

	100%	100%	100%	100%	100%	100%	100%	100%
Working Interest Owners	Bass Enterprises Production Co	Bass Enterprises Production Co	Bass Enterprises Production Co	Bass Enterprises Production Co	Bass Enterprises Production Co	Bass Enterprises Production Co	Bass Enterprises Production Co	Bass Enterprises Production Co
Percentage of Participation	3.74121	2.51659	9.98404	9.97406	7.55475	6.23473	1.24707	2.49412
Participating Acres	120.00	80.72	320.24	319.92	242.32	199.98	40.00	80.00
Description	Section 5, T23S-R31E; SW/4 NW/4, W/2 SW/4,	Section 1, T23S-R30E; Lots 3, 4	Section 1, T23S-R30E; Lots 1, 2, S/2 NE/4, SE/4	Section 6, T23S-R31E; Lots 1, 2, S/2 NE/4, NE/4 SE/4 Section 18, T23S-R31E; E/2 NE/4, SW/4 NE/4	Section 6, T23S-R31E; Lots 3, 4, 5, SE/4 NW/4 Section 7, T23S-R31E; Lot 1, NE/4 NW/4	Section 5, T23S-R31E; Lot 4 Section 7, T23S-R31E; NW/4 NE/4, SE/4 NE/4, E/2 SE/4	Section 35, T22S-R30E; SE/4 NE/4	Section 35, T22S-R30E; E/2 SE/4
Lease No.	NM 02883-A	NM 02884-A	NM 02884-B	NM 02887-A	NM 02887-D	NM 02887-B	NM 02952-C	NM 02952-A
Tract No.	7	es.	3-A	4	4	4-A	9	6-A

H:N. and Secs/Cornell Documents/LCA/WWC/Delaware PA/Exhibit B - 2nd Revison Delaware.doc

EXHIBIT "B" Second Revision to Initial Delaware Participating Area Page 2

Tract No.	Lease No.	Description	Participating Acres	Percentage of Participation	Working Interest Owners	
7	NM 02953	Section 31, T22S-R31E; Lots 1, 2	98.08	2.52095	Conoco, Inc	100%
7	NM 02953-C	Section 31, T22S-R31E; Lots 3, 4, E/2 SW/4, SE/4	320.98	10.00711	Bass Enterprises Production Co Enron Oil & Gas Company -	33.333% 66.667%
∞	NM 04473	Section 6, T23S-R31E; Lots 6, 7, E/2 SW/4, W/2 SE/4, SE/4 SE/4	282.15	8.79652	Bass Enterprises Production Co	100%
20	LC 071988-B	Section 8, T23S-R31E; W/2 Section 17, T23S-R31E; NW/4	480	14.96483	Bass Enterprises Production Co	100%
21	E-5229-1	Section 2, T23S-R30E; Lot 1, Section 36, T22S-R30E; NE/4, SW/4, S/2 NW/4	440.35	13.72868	Bass Enterprises Production Co -	100%
21	E-5229-2	Section 36, T22S-R30E; SE/4	160.00	4.98828	Bass Enterprises Production Co	100%
25	Fee	Section 7, T23S-R31E; NE/4 NE/4	40.00	1.24707	Bass Enterprises Production Co	100%
		TOTALS:	3,207.52	100%		
Total F Total S Total F Total:	Total Federal Lands: Total State Lands: Total Fee Lands: Total:	2,567.17 Acres 600.35 Acres 40.00 Acres 3,207.52 Acres				

H:\LandSecs\Comell Documents\LCA\WWC\Delaware PA\Exhibit B - 2nd Revison Delaware.doc

JAMES RANCH UNIT (DELAWARE) PROPOSED PARTICIPATING AREAS

GEOLOGICAL ATTACHMENTS

- 1. Type Log: JRU No. 30 (Section 6, T23S-R31E)
- 2. <u>Wireline Logs/Mudlogs</u>: Data base for 44 wells Includes porosity, resistivity, and mudlogs for both producing zones and for uphole, behind-pipe pay intervals
- 3. <u>Producing Horizons</u>: Map illustrating producing reservoir horizons at James Ranch Unit
- 4. <u>Base Map Existing Wells Logging Date:</u> Base map illustrating by well, the original operator, logging company, and logging date (tabulation includes logging and completion date).
- 5. Log Quality Control: Porosity logs
- 6. Log Quality Control: Resistivity logs
- 7. Rw: Relationship for Rw vs Depth
- 8. Structure Map: Top Lower Brushy Canyon "D"
- 9. Net Pay Isopach Map: Lower Brushy Canyon "D"—critical contour @ 25' ≥ 10% porosity
- 10. <u>Commercial Delaware Wells S.E. of JRU</u>: Documentation supporting commerciality in Sections 8 and 17 of T23S-R31E

INTRODUCTION

Drilling for deeper horizons below the Delaware from the 1950's through the early 1990's at James Ranch Unit essentially identified that a significant hydrocarbon reservoir existed within the Cherry and Brushy Canyon sections of the Delaware formation. This identification was based primarily from drill stem tests, mudlog shows and log evaluation. For example, as early as 1954 the Richardson and Bass Legg No. 1 (Section 27, T22S-R30E) potentialed for 67 BOPD (6112'–6118') from the Lower Brushy Canyon and in 1957, Shell's No. 1 James Ranch Unit (Section 36, T22S-R30E) recovered 450' oil on a Brushy Canyon drillstem test (6719'-6758'). Continued deep drilling through the 1980's confirmed the Delaware potential prior to it becoming a targeted reservoir.

٠, ح

During the 1990's attention became more focused on the Delaware, very much aided by fracture treatment technology. Since drilling became focused on the Delaware, 19 wells have targeted this reservoir in the southeastern sector of the unit. All of these wells are commercial. Around 12 additional locations are currently being permitted. Uphole, behind-pipe pay exists in the majority of the wells drilled to date.

GEOLOGICAL SETTING

The Delaware sands at James Ranch Unit were deposited as part of an extensive submarine fan complex, with thinly bedded sandstones and siltstones encasing stacked channel sequences of reservoir quality sandstones. The trapping mechanism is primarily stratigraphic with some subtle structural influence.

PETROPHYSICS

Based upon in-house studies and production experience of the Delaware at James Ranch Unit and elsewhere, the Lower Brushy Canyon is oil-bearing and productive at a density porosity cut-off of $\geq 10\%$ (sandstone matrix at 2.66 gm/cc). As we climb into the Cherry Canyon, the porosity cut-off increases to 15% sandstone porosity. The log database at James Ranch Unit is a very unique mixture of porosity and resistivity log types and of varying logging companies. For this reason, quality control of the logs has been essential. Typically we like to see the water saturations to be 65% or less. Mudlogs have been a very critical ingredient in pay recognition—it is difficult to question a zone's potential when you have good drilling shows ranging from good sample shows to oil in the trap or on the pits!

COMPLETIONS WITH UPHOLE PAY

Initial completions have concentrated on the Lower Brushy "D". Perforations are commonly limited to a central pay zone and then large fracture stimulations are made to communicate all the reservoir intervals from the top of the Lower Brushy Canyon "D" to the top of the Bone Spring. Since this has been the initial completion interval to date, and

on its own has been overall commercial, the Lower Brushy "D" is the reservoir interval illustrated in this application. Examination of the log/mudlog database illustrates the higher reserve uphole potential behind-pipe in the majority of the wells. Some of this has been accessed but in many of the wells has yet to be perforated.

PROPOSED PARTICIPATING AREAS

1. Initial P.A. (effective date 4/24/93)

Chronologically, JRU No. 19 (completed 4/24/93) should define the initial P.A. Completed in the Lower Brushy Canyon "B", "C" and "D", the well has produced 85 MBO + 180 MMCF through 11/30/99, with an anticipated ultimate recovery of 181 MBOE.

2. <u>First Revision</u> (effective date 1/1/94)

The JRU No. 19, together with earlier pay identification from deep tests in Section 36, T22S-R30E showed us that Section 36 was a commercial target area. Earlier "deep" tests in Section 6, T23S-R31E (JRU Nos. 4, 7, and 30) and in Section 1 of T23S-R30E (Hudson Federal No. 1 and JRU Nos. 3 and 10) had already indicated the Delaware potential in those areas, but confirmation of this was provided by the JRU No. 36. Completed 1/23/94, the No. 36 has produced 47 MBO + 90 MMCF from the Lower Brushy "D" through 11/30/99, and has an anticipated ultimate recovery of 153 MBOE. Additional pay still exists uphole.

3. Second Revision (effective date 4/1/94)

Delaware mapping during our early Delaware drilling showed us that the reservoir extended southeast outside of the unit into Sand Dunes, West (Sections 8, 9, 16 and 17 of T23S-R31E). Overall unaccessible due to potash mining, two earlier deep tests (JRU Nos. 14 and 15) strongly supported this potential in the Delaware. This potential was officially confirmed within the unit by the JRU No. 55 (completed 4/6/94). The JRU No. 55, through 11/30/99, has produced 55 MBO + 182 MMCF, and has an anticipated ultimate recovery of 165 MBOE.

SUMMARY

The proposed initial P.A. and P.A. revisions, in our opinion, define the minimum participating areas for the Delaware at James Ranch Unit. Drilling restrictions, due to potash, are the only reason why more drilling has not been done to substantiate the fact that a much larger area should be placed within a participating area. As previously stated, no non-commercial wells have been drilled. In fact, with our ongoing drilling program, five additional wells (JRU Nos. 31, 32, 38, 63, 67) will need to be filed as commercial wells. This program has also confirmed our earlier mapping that an additional channel complex, trending NW-SE, enters Section 36 (T22S-R30E) and

Section 1 (T23S-R30E) and then joins up with the main N-S complex which incorporates Sand Dunes, West. The Richardson and Bass Legg No. 1 (Section 27, T22S-R30E) is located along this fairway. We are in fact extremely encouraged by this secondary trend. Completed February 2, 2000, the JRU No. 63 (NW/4 Section 1, T23S-R30E) flowed at rates of over 500 BOPD from the Lower Brushy "D" during the first week. Currently, development drilling is going to target this secondary channel complex. There is no doubt that if the area were accessible for drilling, the unit acreage west and northwest of the proposed participating areas would greatly enlarge the P.A. area. We further believe, from subsurface mapping, that the Cabin Lake Cherry Canyon pay zone is present in that area. That reservoir will typically produce over 250 MBO/well. Together with Brushy Canyon pay zones, the reserves of this area within the potash reserves would constitute a significant asset to Bass Enterprises and the Bureau of Land Management.

٠.٧

Finally, please feel free to call either Simianne Hayden (817 390-8664) or George Hillis (817 390-8661) with any questions on this application for Delaware participating areas (initial, first revision, second revision) at James Ranch Unit.

George A. Hillis

Simianne Johnson-Hayden

GAH:SJH:jp

BASS ENTERPRISES PRODUCTION CO.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131 817/390-8400

April 20, 2000

Bureau of Land Management P. O. Box 1397

Roswell, New Mexico 8820-2019

Attention: Ed Roberson

New Mexico Oil Conservation Division 2040 S. Pacheco Street Santa Fe, New Mexico 87505 Attention: Lori Wrotenbery

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148 Attention: Jami Bailey

Re:

Application for Approval of the First Revision of the Initial Delaware Participating Area James Ranch Unit, No. 14-08-001-558 Eddy County, New Mexico

Ladies and Gentlemen:

Bass Enterprises Production Co., as unit operator of the James Ranch Unit Agreement, pursuant to the provisions of Section 11 thereof, respectfully submits for your approval the selection of the following described lands to constitute the first revision to the Initial Delaware Participating Area. The revised participating area consists of 2,326.28 acres to be comprised of the lands indicated on the plat attached hereto and further described as follows:

T22S-R30E

Section 35: SE/4 NE/4, E/2 SE/4 Section 36: S/2, NE/4, S/2 NW/4

T22S-R31E

Section 31: Lots 1, 2, 3, 4, E/2 SW/4, SE/4

T23S-R30E

Section 1: Lots 1, 2, 3, 4, S/2 NE/4, SE/4

Section 2: Lot 1

T23S-R31E

Section 5: Lot 4, SW/4 NW/4, W/2 SW/4

Section 6: All

All in Eddy County, New Mexico and containing exactly 2,326.28 acres of land.

April 20, 2000 First Revision - Delaware Page 2

In support of this application, the following numbered items are attached hereto and made a part hereof:

- 1. An ownership map (Exhibit "A") depicting the boundaries of the proposed first revision to the Initial Delaware Participating Area.
- 2. A schedule (Exhibit "B") identifying the lands entitled to participation in the revised participating area with the percentage of participation of each lease or tract indicated thereon.
- 3. A geological report with accompanying geological maps supporting and justifying the proposed selection of the revised area based on the results obtained from the James Ranch Unit Well No. 36.

This proposed first revision to the Initial Delaware Participating Area is predicated upon the knowledge and information first obtained from the James Ranch Unit Well No. 36 in January, 1994. It should be noted that James Ranch Unit Well No. 36 has been previously determined as capable of producing in commercial quantities. According to Section 11 of the Unit Agreement, the effective date of the subject revision should be the first of the month in which the above information was obtained or January 1, 1994. Therefore, Bass respectfully requests your approval of the hereinabove described 2,326.28 acres of land to constitute the first revision of the Initial Delaware Participating Area, to be effective January 1, 1994.

Thank you very much for your cooperation in this regard and should you have any questions or comments concerning same, please do not hesitate to contact the undersigned.

Very truly yours,

WWC:ca	Worth Carlin
ACCEPTED AND AGREED this	day of, 2000.
	BUREAU OF LAND MANAGEMENT
	By:
	COMMISSIONER OF PUBLIC LANDS
	By:
	NEW MEXICO OIL CONSERVATION DIVISION
	By:

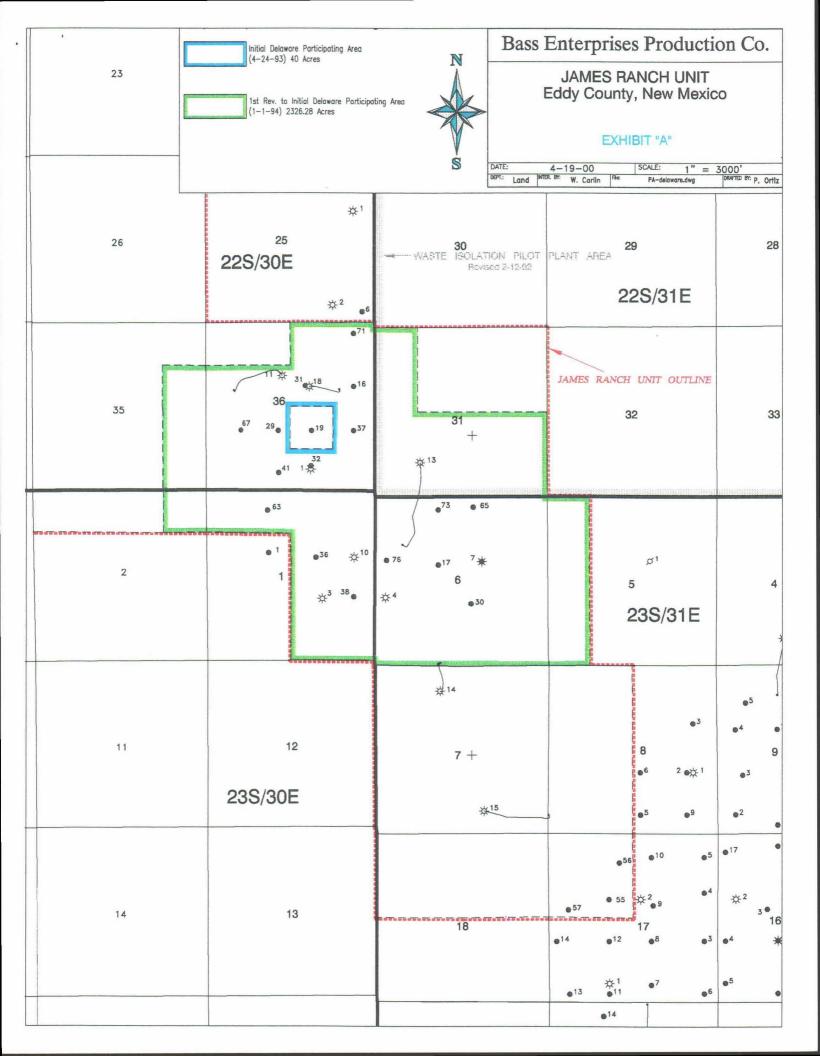


EXHIBIT "B"
First Revision to Initial Delaware Participating Area
James Ranch Federal Unit
Eddy County, New Mexico

Traci No.	Fract Lease No. No.	Description	Participating Acres	Percentage of Participation	Working Interest Owners	
2	NM 02883-A	Section 5, T23S-R31E; SW/4 NW/4, W/2 SW/4,	120.00	5.15845	Bass Enterprises Production Co	100%
3	NM 02884-A	Section 1, T23S-R30E; Lots 3, 4	80.72	3.46992	Bass Enterprises Production Co	100%
3-A	3-A NM 02884-B	Section 1, T23S-R30E; Lots 1, 2, S/2 NE/4, SE/4	320.24	13.76618	Bass Enterprises Production Co	100%
4	NM 02887-A	Section 6, T23S-R31E; Lots 1, 2, S/2 NE/4, NE/4 SE/4	199.92	8.59398	Bass Enterprises Production Co	100%
4	NM 02887-D	Section 6, T23S-R31E; Lots 3, 4, 5, SE/4 NW/4	161.08	6.92436	Bass Enterprises Production Co	100%
4-A	NM 02887-B	Section 5, T23S-R31E; Lot 4	39.98	1.71862	Bass Enterprises Production Co	100%
9	NM 02952-C	Section 35, T22S-R30E; SE/4 NE/4	40.00	1.71948	Bass Enterprises Production Co	100%
6-A	NM 02952-A	Section 35, T22S-R30E; E/2 SE/4	80.00	3.43897	Bass Enterprises Production Co	100%

H:\LandSecs\Cornell Documents\LCA\WWC\Delaware PA\Exhibit B - 1st Revison Delaware.doc

EXHIBIT "B" First Revision to Initial Delaware Participating Area Page 2

Tract No.	Lease No.	Description	Participating Acres	Percentage of Participation	Working Interest Owners	
7	NM 02953	Section 31, T22S-R31E; Lots 1, 2,	80.86	3,47594	Conoco, Inc	100%
7	NM 02953-C	Section 31, T22S-R31E; Lots 3, 4, E/2 SW/4, SE/4	320.98	13.79800	Bass Enterprises Production Co Enron Oil & Gas -	33.333% 66.667%
∞	NM 04473	Section 6, T23S-R31E; Lots 6, 7, E/2 SW/4, W/2 SE/4, SE/4 SE/4	282.15	12.12881	Bass Enterprises Production Co	100%
21	E-5229-1	Section 2, T23S-R30E; Lot 1, Section 36, T22S-R30E; NE/4, SW/4, S/2 NW/4	440.35	18.92936	Bass Enterprises Production Co -	100%
21	E-5229-2	Section 36, T22S-R30E; SE/4	160.00	6.87793	Bass Enterprises Production Co	100%
		TOTALS:	2,326.28	100%		
Total F Total S Total F Total F	Total Federal Lands: Total State Lands: Total Fee Lands: Total:	1,725.93 Acres 600.35 Acres 0.00 Acres 2,326.28 Acres				

BASS ENTERPRISES PRODUCTION COMPANY JAMES RANCH UNIT (DELAWARE) PROPOSED PARTICIPATING AREAS

GEOLOGICAL ATTACHMENTS

- 1. <u>Type Log</u>: JRU No. 30 (Section 6, T23S-R31E)
- 2. <u>Wireline Logs/Mudlogs</u>: Data base for 44 wells Includes porosity, resistivity, and mudlogs for both producing zones and for uphole, behind-pipe pay intervals
- 3. <u>Producing Horizons</u>: Map illustrating producing reservoir horizons at James Ranch Unit
- 4. <u>Base Map Existing Wells Logging Date:</u> Base map illustrating by well, the original operator, logging company, and logging date (tabulation includes logging and completion date).
- 5. Log Quality Control: Porosity logs
- 6. Log Quality Control: Resistivity logs
- 7. Rw: Relationship for Rw vs Depth
- 8. Structure Map: Top Lower Brushy Canyon "D"
- 9. Net Pay Isopach Map: Lower Brushy Canyon "D"—critical contour @ 25' ≥ 10% porosity
- 10. <u>Commercial Delaware Wells S.E. of JRU</u>: Documentation supporting commerciality in Sections 8 and 17 of T23S-R31E

INTRODUCTION

Drilling for deeper horizons below the Delaware from the 1950's through the early 1990's at James Ranch Unit essentially identified that a significant hydrocarbon reservoir existed within the Cherry and Brushy Canyon sections of the Delaware formation. This identification was based primarily from drill stem tests, mudlog shows and log evaluation. For example, as early as 1954 the Richardson and Bass Legg No. 1 (Section 27, T22S-R30E) potentialed for 67 BOPD (6112'–6118') from the Lower Brushy Canyon and in 1957, Shell's No. 1 James Ranch Unit (Section 36, T22S-R30E) recovered 450' oil on a Brushy Canyon drillstem test (6719'-6758'). Continued deep drilling through the 1980's confirmed the Delaware potential prior to it becoming a targeted reservoir.

٠, ح

During the 1990's attention became more focused on the Delaware, very much aided by fracture treatment technology. Since drilling became focused on the Delaware, 19 wells have targeted this reservoir in the southeastern sector of the unit. All of these wells are commercial. Around 12 additional locations are currently being permitted. Uphole, behind-pipe pay exists in the majority of the wells drilled to date.

GEOLOGICAL SETTING

The Delaware sands at James Ranch Unit were deposited as part of an extensive submarine fan complex, with thinly bedded sandstones and siltstones encasing stacked channel sequences of reservoir quality sandstones. The trapping mechanism is primarily stratigraphic with some subtle structural influence.

PETROPHYSICS

Based upon in-house studies and production experience of the Delaware at James Ranch Unit and elsewhere, the Lower Brushy Canyon is oil-bearing and productive at a density porosity cut-off of ≥ 10% (sandstone matrix at 2.66 gm/cc). As we climb into the Cherry Canyon, the porosity cut-off increases to 15% sandstone porosity. The log database at James Ranch Unit is a very unique mixture of porosity and resistivity log types and of varying logging companies. For this reason, quality control of the logs has been essential. Typically we like to see the water saturations to be 65% or less. Mudlogs have been a very critical ingredient in pay recognition—it is difficult to question a zone's potential when you have good drilling shows ranging from good sample shows to oil in the trap or on the pits!

COMPLETIONS WITH UPHOLE PAY

Initial completions have concentrated on the Lower Brushy "D". Perforations are commonly limited to a central pay zone and then large fracture stimulations are made to communicate all the reservoir intervals from the top of the Lower Brushy Canyon "D" to the top of the Bone Spring. Since this has been the initial completion interval to date, and

on its own has been overall commercial, the Lower Brushy "D" is the reservoir interval illustrated in this application. Examination of the log/mudlog database illustrates the higher reserve uphole potential behind-pipe in the majority of the wells. Some of this has been accessed but in many of the wells has yet to be perforated.

PROPOSED PARTICIPATING AREAS

1. Initial P.A. (effective date 4/24/93)

Chronologically, JRU No. 19 (completed 4/24/93) should define the initial P.A. Completed in the Lower Brushy Canyon "B", "C" and "D", the well has produced 85 MBO + 180 MMCF through 1 1/30/99, with an anticipated ultimate recovery of 181 MBOE.

2. First Revision (effective date 1/1/94)

The JRU No. 19, together with earlier pay identification from deep tests in Section 36, T22S-R30E showed us that Section 36 was a commercial target area. Earlier "deep" tests in Section 6, T23S-R31E (JRU Nos. 4, 7, and 30) and in Section 1 of T23S-R30E (Hudson Federal No. 1 and JRU Nos. 3 and 10) had already indicated the Delaware potential in those areas, but confirmation of this was provided by the JRU No. 36. Completed 1/23/94, the No. 36 has produced 47 MBO + 90 MMCF from the Lower Brushy "D" through 11/30/99, and has an anticipated ultimate recovery of 153 MBOE. Additional pay still exists uphole.

3. Second Revision (effective date 4/1/94)

Delaware mapping during our early Delaware drilling showed us that the reservoir extended southeast outside of the unit into Sand Dunes, West (Sections 8, 9, 16 and 17 of T23S-R31E). Overall unaccessible due to potash mining, two earlier deep tests (JRU Nos. 14 and 15) strongly supported this potential in the Delaware. This potential was officially confirmed within the unit by the JRU No. 55 (completed 4/6/94). The JRU No. 55, through 11/30/99, has produced 55 MBO + 182 MMCF, and has an anticipated ultimate recovery of 165 MBOE.

SUMMARY

The proposed initial P.A. and P.A. revisions, in our opinion, define the minimum participating areas for the Delaware at James Ranch Unit. Drilling restrictions, due to potash, are the only reason why more drilling has not been done to substantiate the fact that a much larger area should be placed within a participating area. As previously stated, no non-commercial wells have been drilled. In fact, with our ongoing drilling program, five additional wells (JRU Nos. 31, 32, 38, 63, 67) will need to be filed as commercial wells. This program has also confirmed our earlier mapping that an additional channel complex, trending NW-SE, enters Section 36 (T22S-R30E) and

Section 1 (T23S-R30E) and then joins up with the main N-S complex which incorporates Sand Dunes, West. The Richardson and Bass Legg No. 1 (Section 27, T22S-R30E) is located along this fairway. We are in fact extremely encouraged by this secondary trend. Completed February 2, 2000, the JRU No. 63 (NW/4 Section 1, T23S-R30E) flowed at rates of over 500 BOPD from the Lower Brushy "D" during the first week. Currently, development drilling is going to target this secondary channel complex. There is no doubt that if the area were accessible for drilling, the unit acreage west and northwest of the proposed participating areas would greatly enlarge the P.A. area. We further believe, from subsurface mapping, that the Cabin Lake Cherry Canyon pay zone is present in that area. That reservoir will typically produce over 250 MBO/well. Together with Brushy Canyon pay zones, the reserves of this area within the potash reserves would constitute a significant asset to Bass Enterprises and the Bureau of Land Management.

Finally, please feel free to call either Simianne Hayden (817 390-8664) or George Hillis (817 390-8661) with any questions on this application for Delaware participating areas (initial, first revision, second revision) at James Ranch Unit.

George A. Hillis

Simianne Johnson-Hayden

GAH:SJH:jp

BASS ENTERPRISES PRODUCTION CO.

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

April 20, 2000

Bureau of Land Management P. O. Box 1397 Roswell, New Mexico 88201-2019 New Mexico Oil Conservation Division 2040 S. Pacheco Street Santa Fe, New Mexico 87505

Attention: Ed Roberson

Attention: Lori Wrotenbery

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

Attention: Jami Bailey

Re: Initial Delaware Participating Area

NW/4 SE/4 Section 36, T22S-T30E James Ranch Unit, No. 14-08-001-558

Eddy County, New Mexico

Ladies and Gentlemen:

Bass Enterprises Production Co., as Unit Operator of the James Ranch Unit Agreement, pursuant to the provisions of Section 11 thereof, respectfully submits for your approval the selection of the following described lands to comprise the Initial Participating Area for the Delaware Formation:

NW/4 SE/4 Section 36, T22S-R30E containing 40.00 acres of land.

In support of this application the following numbered items are attached hereto and made a part hereof:

- 1. An ownership map (Exhibit "A") depicting the boundaries of the proposed initial participating area for the Delaware Formation.
- 2. A schedule (Exhibit "B") identifying the lands entitled to participation in the unitized substances produced from the Delaware Formation with the percentage of participation of each lease or tract indicated thereon.

BASS ENTERPRISES PRODUCTION CO.

201 MAIN ST.

Initial PA April 20, 2000 Page 2 FORT WORTH, TEXAS 76102-3131 817/390-8400

This proposed initial participating area is predicated upon the knowledge and information first obtained upon the completion of the James Ranch Unit Well No. 19 (located in the NW/4 SE/4 Section 36, T22S-R30E) on April 24, 1993. It should be noted that James Ranch Unit Well No. 19 has been previously determined as capable of producing in commercial quantities. According to the Unit Agreement it is our understanding that the effective date of this initial participating area will be April 24, 1993. Therefore, Bass respectively requests your approval of the hereinabove selection of lands to constitute the Initial Delaware Participating Area to be effective April 24, 1993. Thank you very much for your cooperation in this regard and should you require additional information concerning same, please don't hesitate to contact the undersigned.

Very truly yours.

Worth Carlin

WWC:ca		
ACCEPTED AND AGREED this	day of	, 2000.
BUREAU OF LAND MANAGEMENT		
Ву:		
COMMISSIONER OF PUBLIC LANDS		
By:		
NEW MEXICO OIL CONSERVATION DIVISION		
By:		

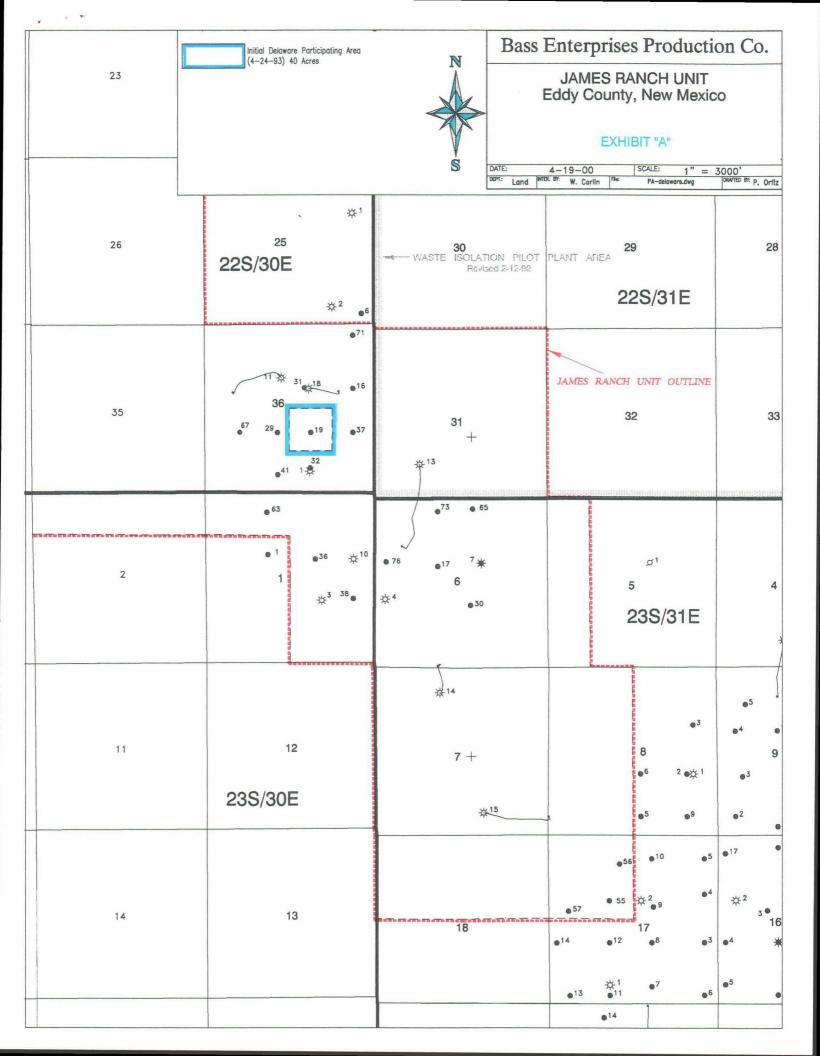


EXHIBIT "B"

Initial Delaware Participating Area James Ranch Federal Unit Eddy County, New Mexico

		21	Tract
Total Federal Land: Total State Lands: Total Fee Lands:		E-5229-2	Lease No.
0 Acres 40 Acres 0 Acres	Totals	Section 36, T22S-R30E; NW/4 SE/4	Description
	40.00	40.00	Participating Acres
	100%	100%	Percentage of Participation
		Bass Enterprises Production Co. – 100%	Working Interest Owners

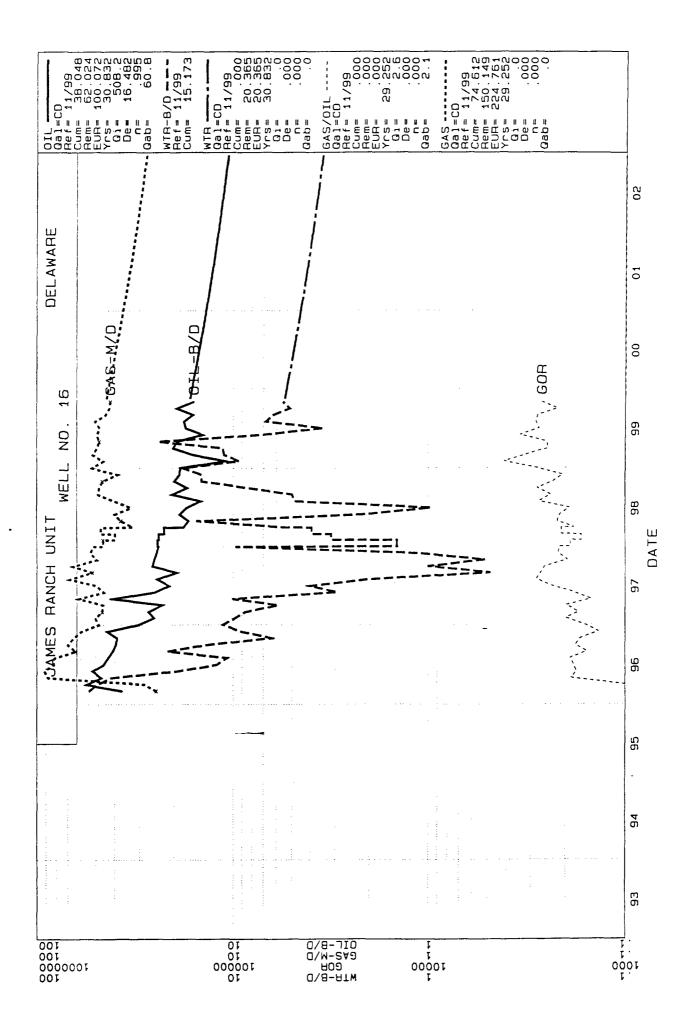
Total

40 Acres

PERFORMANCE DATA

(If sufficient history exists,	attach plot of oil production ra	te v time.)			
CUMULATIVE PRODUCT	пои то	11/30/99	;38,048_	BBLS	
INITIAL RATE (qi)	-		508		
ECONOMIC LIMIT (ql)	_		60		
DECLINE RATE, dy	_	Hyperbolic d =	16.48% n = .995	_	
REMAINING OIL (Q) =	_		,352	_	
ULTIMATE RECOVERAB	LE OIL _	92	,400	_	
(Attach plat showing proras	tion unit and participating area.	.)			
		ECO	NOMIC		
WELL COST \$	570,000 (to the depth	of formation completed)			
RECOMPLETION COST \$	o				
TOTAL COST \$	570,000				
				10% NET BFIT	
YEAR	GROSS OIL	REVENUE	OPERATING COST	DISCOUNTED CASH FLOW	
ZERO	0	o	0	-570,000	
1	14,400	315,400	44,500	258,800	
2	9,300	203,200	35,100	145,900	
3	7,500	114,300	28,500	67,400	
4	6,300	133,600	31,200	72,800	
5	5,600	148,000	30,200	75,700	
6	4,700	107,500	27,000	46,700	
7	4,100	88,800	25,900	33,100	
8	3,700	75,700	24,900	24,200	
9	3,300	68,000	24,400	18,800	
10	3,000	61,800	23,900	14,800	
REMAINDER	30,500	617,500	384,400	55,200	

WELL IS COMMERCIAL



JRU #16 DELAWARE PREPARED BY: KENT ADAMS

DATE : 02/09/00
TIME : 10:31:31
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 40

ŧ,

1

										111:35		
i in	SCHEDULING RATE	RATES		SCHEDULE	UNTIL	PROCEDURE		ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
õ	11/99											
508	508.16 143.31	××	B/M B/M	12/2013 AD 19.30 IM	AD IMU	H/0.995 EXP	16.48	80.772 100.072	11/13	16.48	508. 143.	143. 61.
11/9	6											
C	. 65	2.15	M/B	02/2029 AD	AD	TOG	TIME		1/29			
11/9	Ф.			-								
	.33	×	u/B	or	LIFE	LIN	TIME		8/30			
ā	02/96			₹								
œ.	16.8800	×	\$/B	1/95	MM/YY	PC	00.		8/30		16.880	
m	18.39	×	\$/B	1/96	AD	PC	00.		8/30		18,390	
\sim	22.26	×	\$/B	1/97	AD	PC	00.		8/30		22.260	22.260
0	20.74	×	\$/B	1/98	ð.	PC	00.		12/97		20.740	20.740
4 (14.43	×;	\$/B	1/99	AD	PC C	00.		12/98		14.430	14.430
T	19.25	×	B (4	1/2000	AD G	ນຸ	00.		12/99		19.250	19.250
	* .	< >	n n/v	1/2001	A C	י נ מ			12/00		20.670	20.540
•	19.20	< ×	s/B	1/2003	8) Q	00.		12/02		19.200	19.200
~	18.18	×	\$/B	1/2004	AD	PC	00.		12/03		18.180	18.180
OD.	.13	×	\$/B	10	LIFE	5	00.		8/30		18.130	
œ	.8900	×	W/\$	1/95	MM/XY	PC	00.		8/30		1.890	
-	1.94	×	W/\$	1/96	AD	PC	00.		1/96		1.940	
^1	.61	×	W/\$	1/97	AD	PC	00.		12/96		2.610	2.610
~ 1	.59	×	₩/\$	1/98	AD	PC .	00.		12/97		2.590	
	.11	×	W/\$	1/99	AD	PC	00.		12/98		2.110	
~1	.27	×	W/\$	1/2000	AD	PC	00		12/99		2.270	
~ 1	. 60	× ;	Σ /\$	1/2001	AD.	DG DG	00.		12/00		2.600	
v ~	2.57	< ×	E /s	17.202 TO	LIFE	ਨ ਹ	00.		8/30		2.570	2.570
LO.	.5000	2000	n/s	1/2000	AD	PC	00.		1/96		. 500	.500
	80.	×		To	LIFE	DG U	00.		1/96		080.	
0	1600.00	×	W/\$	To	LIFE	эсн	OPC		8/30		1600.000	1600.000
-	80.	×	مد	õ	LIFE	PC C	00.		8/30		100.	100.
	7.93	×	4	J.	LIFE	PC	00.		8/30		610.	610.
	.17	×	**	5 5	LIFE	PC	00.		8/30		. 002	.002
•		0016 -		9	LIFE	D C	00		8/30		0.6	18 130
, –	1300	1300	W/\$	5 5	LIFE	P. C.	00,		8/30		130	
0	100.0000	Q	**	To	нье	FLAT	00.		. 8/30		1.000	1.000
_	0000 001	c		Ç	3311	11.0.19	00		07./18		500	-
5	200	2	•	2		:	2		2			

	.125		.125		FINAL RATE	1 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ESC. TEIER	570.0 65.0 -24.0				
	.125		.125		INIT. RATE	1 1 7 1 1 1 1 1	TOT, TEIER	570.0 65.0 -24.0				
					EFF. DECL	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RISK INV.	1 1 1 1 1 1 1 1		1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1		g
(8/30	8/30	8/30 8/30	8/30	LAST	2/00	MONTH	2/96 10/ 0 8/30		1		OTHER QUAL :
•					ULTIMATE	38.525 75.872 15.173	TOTAL T&I	570.000 65.000 -24.000		; ; ; ; ; ;		ОТНІ
	00.	00.	00.	00.		1 		00.		!		365. CD
	FLAT	FLAT	FLAT FLAT	FLAT	PROCEDURE		PROCEDURE	S.	ITEM	CUML, MB		FREQUENCY :
	LIFE	LIFE	LIFE	LIFE	SCHEDULE UNTIL			02/96 AD 10/2000 AD TO LIFE				1*11 38*12 1*600 10.0 DISC. CD OWNER
-	ð.	οr	0t 0t	70	SCHEDU		TIME	02/96 10/200 TO		74.63		1*11 38 10.0 CD
	*	مد	مان جن	من	S		ANGIBLES	0 M\$G 0 M\$G 0 M\$G	ITEM	CUMG, MMF		FRAMES : AGE : QUAL :
	Ω	۵	QΩ	Q	G RATE	#	TNI 3	330,0 65.0				TIME PW #-
(12.5000	0000.	12.5000	0000	SCHEDULING RAT	P.OIL OIL # P.GAS GAS # P.WATER WTR	TANGIBLES & INTANGIBLES		ETERS	NO B 38.05 NO	IPTIONS	2/96 2/96 2/96
	720 LSE/RIC	721 OWN/RI	740 LSE/RIG 760 LSE/ORR	761 OWN/ORR	OVERLAYS	905 LOAD 1910 LOAD 1915 LOAD 19	INVESTMENT	800 DRILL 801 WORKOVER 802 SALVAGE	RESERVE PARAMETERS	201 LOSS NO 205 CUMO, MB 210 LOSS NO	PROJECT ASSUMPTIONS	BASE DATE : P.W. DATE : REPORT DATE :

JRU #16 DELAWARE PREPARED BY: KENT ADAMS										ឬមជ្ឈ់	DATE TIME DBS FILE SETUP FILE SEQ NUMBER		02/09/00 10:31:31 JRUPA CD 40	
			я Э S	ERVE EFFEC	V E S A N D EFFECTIVE DATE:	E C 2/96	Σ 0 2	I C S					;	
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	27.5 YR TOTAL	
OWNERSHIP 1) WORKING INTEREST, \$ 2) REVENUE INTEREST, \$	\$ 100.000 100.000 \$ 87.500 87.500	100.000	100.000		100.000	100.000	00	88	000	.000		100.000 100.000 87.500 87.500	100.000	
INVESTMENTS, M\$.0 570.0 0.078	0.0.0.0	• • • • •	0.000	.0 65.0 0.3	• • • •	0.0.0.0	0000	0,000	0.000	.0 635.0 .0 635.0	.024.0	.0 611.0 .0 611.0	
OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB	14.4	9, 8 E. 1.		יה הית	6. 4 6. 6		4. r.	9.7 c.c.	Б. с.	J. 0	61.8	30.5	4. 60	
	268.9	161.3 19.83	88.3 13.52	101.1 18.34	116.9 24.03	81.2 19.76	66.0 18.29	55.5 17.27	49.9 17.22	45.5 17.22	54.1 1034.5 19.12	460.3 17.22	80.8 1494.8 18.49	
GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	21.5 18.8 46.5 2.480	19.5 17.0 41.9 2.460	15.0 13.2 26.0 1.980	17.4 15.2 32.5 2.140	14.4 12.6 31.1 2.470	12.3 10.7 26.3 2.450	10.7 9.4 22.9 2.440	9.5 8.3 20.2 2.440	8.5 7.4 18.1 2.440	7.7 6.7 16.4 2.440	136.3 119.3 281.9 2.364	73.5 64.3 156.9 2.440	209.8 183.5 438.8 2.391	
WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	7.5 7.5 500	1.7	1.5 1.5	4.1	1.8 1.8 080	1.5 1.5	1.4 1.4 080	1.2	1.1 1.1	1.0	22.8 22.8 .353	10.0 10.0	32.9 32.9 .270	
δ : 6 · ·	315.4 22.7 .5	203.2	т.	133.6 9.7 2.	148.0 10.7	1,	88.8 6.5	75.7 5.5	68.0	61.8	1316.4 95.6	617.2	1933.6 140.6 3.0	
23) - OPERATING COSTS 24) - SWD 25) - CAPITAL REPAYMENT 26) - INTEREST PAID 27) + NPI OWNED - PAID 28) = NET INCOME 29) - INVESTMENTS & RSK	17.6 3.7 0. 0. 270.8 570.0	19.2 .9 .0 .0 .0 .0 .168.1	1 89	19.2 2.1 2.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	19.2 .1 .0 .0 .0 .117.6 .65.0		61.00.00.00.00.00.00.00.00.00.00.00.00.00	19.2	19.2	37.9	190.4 8.1 8.1 0.0 1020.3	337.6 337.6 237.6 232.0	528.0 8.9 0.0 1253.1	
SENT WORTH @ 10 NET INCOME INVESTMENTS & BFIT NET CUM BFIT NET	258.8 258.8 570.0 -311.2	•	•	102.4 72.8 72.8 -25.0	52.6 75.7 40.8 34.9 9.9	80. 46.	33.1 33.1 89.7	50.8 24.2 .0 24.2	43.7 18.8 18.8 132.7	37.9 14.8 14.8 14.8	385.3 758.3 610.8 147.5	256.8 55.2 -1.5 56.7 204.2	642.1 813.5 609.2 204.2	

JRU #16 DELAWARE PREPARED BY: KENT ADAMS

AFTER TAX ECONOMICS

DATE : 02/09/00
TIME : 10:31:31
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 40

				EFFEC	EFFECTIVE DATE	3: 2/96							
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	Z/.5 YR TOTAL
		1 1 1 1	† 				1 1 1		1	1	1 1	 	1 1 1 1 1 1
TAX TREATMENT OF INVESTMENTS, MS	ENTS, MS												
1) EXP, RISK & CAP INT	330.0		0.	٥.	65.0	0.	0.	0.	٥.	o.	395.0	0.	395.0
2) DEPLETABLE	0.	0.	٥.	٥.	0.	٥.	0.	٥.	0,	0.	0.	0.	0.
3) DEPRECIABLE	240.0		٥.	0.	0.	٥.	٥.	٥.	0.	٥.	240.0	-24.0	216.0
TAX CALCULATIONS, M\$													
•													
	315.4	203.2	114.3	133.6	148.0	107.5	88.8	75.7	68.0	61.8	1316.4	617.2	1933.6
5) - SEVERANCE TAX	22.7	14.7	æ_ .9	9.7	10.7	7.8	6.5	5.5	2.0	4.5	92.6	45.0	140.6
١	٥.	0.	0.	٥.	0.	٥.	٥.	٥.	°.	0.	٥.	0.	0.
1	21.8	20.4	20.2	21.5	19.6	19.5	19.4	19.4	19.4	19.4	200.5	339.4	539.9
+	٥.	0.	٥.	0.	0.	٥.	0.	0.	0.	٥.	0.	0.	0.
,	٥.	0.	0.	0.	٥.	٥.	٥.	٥.	0.	0.	0.	0.	0.
٠	330.0	0.	0.	0.	65.0	0.	0.	0.	٥.	0.	395.0	0.	395.0
•	31.4	56.7	43.4	31.0	22.1	21.4	21.4	12.5	0.	0.	240.0	0.	240.0
ı	9.06-	111.4	42.5	71.4	30.5	58.8	41.5	38.3	43.7	37.9	385.3	232.8	618.1
٠	<u>о</u> .	°.	٥.	0.	0.	٥.	0.	0.	٥.	0.	٥.	0.	0.
١	٥.	0,	٥.	0.	0.	0,	0.	0.	0.	٥.	٥.	٥.	0.
TAXABLE	9.06-	111.4	42.5	71.4	30.5	58.8	41.5	38.3	43.7	37.9	385.3	232.8	618.1
*	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
•	0.	٥.	٥.	٥.	o.	٥.	0.	0.	٥.	٥.	٥.	0.	0.
1	0.	0	٥.	0.	٥.	٥.	٥.	٥,	0.	٥.	٥.	٥.	0.
19) = F.I.T.	-31.7	39.0	14.9	25.0	10.7	20.6	14.5	13.4	15.3	13.3	134.9	81.5	216.3
	292.7	188.5	106.0	123.9	137.2	7.66	82.4	70.2	63.1	57.3	1220.8	572.1	1793.0
	21.8	20.4	20.2	21.5	19.6	19.5	19.4	19.4	19.4	19.4	200.5	339.4	539.9
+	o.	٥.	٥.	٥.	٥.	0.	0.	0.	٥.	0.	0.	0.	0.
•		39.0	14.9	25.0	10.7	20.6	14.5	13.4	15.3	13.3	134.9	81.5	216.3
5	302.5	129.1	71.0	77.4	107.0	59.6	48.4	37.4	28.4	24.7	885.4	151.3	1036.7
•	0.	٥.	0.	٥.	o.	0.	0.	0.	0.	0.	0.	0.	0.
1		٥.	0.	0.	0.	0.	0.	0.	0.	٥.	0.	٥.	٥.
- NET INCOME	302.5	129.1	71.0	77.4	107.0	9.65	48.4	37.4	28.4	24.7	885.4	151.3	1036.7
•		٥.	٥.	٥.	65.0	0.	0.	0.	0.	0.	635.0	-24.0	611.0
29) = A.F.I.T. NET	-267.5	129.1	71.0	77.4	42.0	9.65	48.4	37.4	28.4	24.7	250.4	175.3	425.7
PRESENT WORTH @ 10.00 &													
30) NET INCOME	289.1	112.1	55.8	55.0	8 8 9	34 7	25.5	17.8	12 2	ď	2 083	מ	2 7 1 6
31) INVESTMENTS & RISK	570.0	0	0))	8.04		1		1.	,	610.0	y	0.007
32) A.P. T. T. NET	-280 9	נכננ	, R. R.	י י	0 80	7. 45	2. 20	a		. 0	0.01		2.600
	0 080-	4 . 4 . 7	0.6.[-	0.00	20.07		0.0	0.04	7.6	9.0	6.00	4.10	107.3
							7.00) •	5.00	0 7	0 V . V	107.3	107.3

JRU #16 DELAWARE PREPARED BY: KENT ADAMS

DATE : 02/09/00
TIME : 10:31:31
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 40

ť

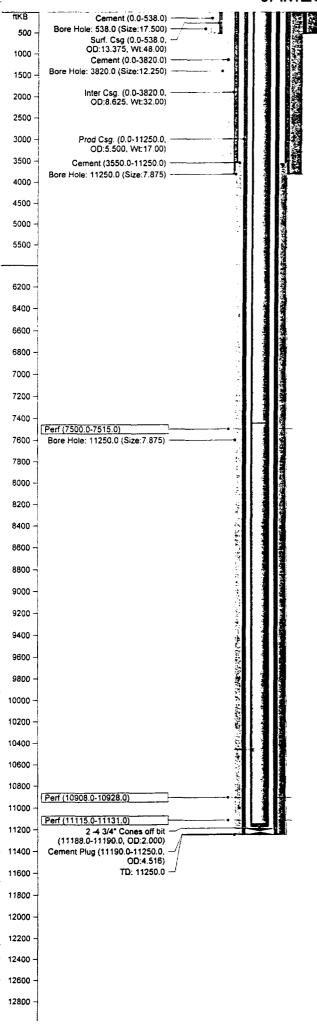
ECONOMIC INDICATORS

AS OF DATE: 2/96

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

	TABLE
AND	BONUS 1
PROFILE	٠.
_	RN VS
WORTH	-RETU
RESENT	VATE-OF-RETURN
PRI	RA

	654.992	475.863	302.563	259,972	189.391	133.060	-38.950	-130.671	-189.919	-232.337	-264.738	-290.611	-311.944	-329.960	-345.459					
	 425, 745	332.689	227.427	198.933	149.245	107.304	-33.582	-116.393	-172.543	-213.948	-246.209	-272.340	-294.114	-312.655	-328.710	17.6	3.79	5.78	1.70	1.18
BONUS TABLE	642.068	513.539	368.354	329.206	261.229	204.247	17.153	-88.311	-157.387	-206.917	-244.619	-274.547	-299.046	-319.574	-337.092	21.6	, YRS. 3.36	YRS. 4.63	WEST. 2.05	ST. 1.34
RATE-OF-RETURN VS.	.0	2.	'n.	.9	.8	10.	20.	30.	40.	50.	.09	70.	80.	.06	100.	RATE OF RETURN, PCT.	UNDISCOUNTED PAYOUT,	DISCOUNTED PAYOUT,	UNDISCOUNTED NET/INVEST	DISCOUNTED NET/INVEST.



TAREE DANCE	LIBRET #	10					
JAMES RANCH						A O T O	
API No.	300152		Sta			ACT O	11
TD PBTD	11250.0		⊏ng	ineer		KAA	
	11190.0 BEPC		Per	:4			
Operator Well No.	16	,0				12/21/	
ID Code	10		Sp. RR	iu		12/31/9	
Field	Los Med	anne		npletion		3/9/96	
i iciu	(Delaw		100	ipielion	i	3/9/90)
Author	RAS		Lac	t Act.	· —		
Date Updated	12/22/			ndoned	- :		
Comments	Drilled by		Aba	ndoned			
Location	Dillica by	LINON	·				-
Township	90)22	Ton	Latitude			-
TOWNSHIP		122		Longitud		0	
Range	FC	30	Top	NS Dista	nce	1980.0	
Truings_			Top	EW Dist	ance	330.0	ff F
Section	3	6		om Latitu		0	
Unit Ltr.	ŀ	1		om Long		0	
State	NEW N	IEXICO	Btm	NS Dista	ince	0.0	ft .
County		DY		EW Dist		0.0	
Elevations							
KB	333	1.5 ft	Cas	Fing		0.0	ft
Grd	3313	3.0 ft	Tub	Head		0.0	ft
KB-Grd		5 ft					
Casing String -		Casing					
Item	Тор	Btm J	nts	ID	Wt	Grd	Thd
(in)	(ftKB) (ftKB)	į				
13 3/8 in Surf.		538.0	11	12.715	48.00	H-40	STC
Csg		-	ĺ	j			
Casing String -	Interme	diate Ca	sina				
Item			nts	ID :	Wt	Grd	Thd
(in)	(ftKB)						
8 5/8 in Inter Csg.		820.0	85	7.920	32.00	J-55	STC
Casing String -							
Item			nts	ID	Wt	Grd	Thd
(in)	_(ftKB)_(
5 1/2 in Prod Csg.	0.0 1	250.0		4.890	17.00		
Casing Cement	[
Casing Cement Casing String		р А	mour	nt ,	Com	ments	
Casing Cement Casing String			mour (sx)	ıt ,	Com	ments	
	To		(sx) 3	90:	Com	ments	
Casing String Surface Casing Intermediate Casin	To (fth	0.0 0.0	(sx) 31	90 : 59			
Casing String Surface Casing Intermediate Casing Production Casing	To (fth	0.0 0.0 550.0	(sx) 31 16	90:			
Casing String Surface Casing Intermediate Casin	To (fth	0.0 0.0 550.0	(sx) 31 16	90 : 59	by Temp	Sur.	
Casing String Surface Casing Intermediate Casing Production Casing	ng 35 Primary Top	0.0 0.0 550.0 Tubing	(sx) 31 16	90 59 50 TOC			Thd
Surface Casing Intermediate Casing Production Casing Tubing String Item (in)	fth (fth ng) 35 Primary	0.0 0.0 0.0 550.0 Tubing	31 31 16	90 59 50 TOC ID (in)	by Temp	Sur.	Thd
Casing String Surface Casing Intermediate Casing Production Casing Tubing String Item (in) 2 7/8 in Tbg.	ng 35 Primary Top	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0	31 31 16 Jnts	90 59 50 TOC ID (in) 4 2.44	by Temp Wt 1 6.50	Sur. Grd	Thd 8ra
Surface Casing Intermediate Casing Production Casing Tubing String Item (in) 2 7/8 in Tbg. 2 7/8 in TAC	76 (ftth	0.0 0.0 550.0 Tubing 8tm (ftKB) 7445.0	31 31 16 Jnts	90 59 50 TOC ID (in) 4 2.44	wt 1 6.50	Sur. Grd	8ra
Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg.	To (ftth) Primary Top (fttB) 0.0 7445.0 7448.0	0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 7448.0	31 31 16 Jnts	90 59 50 TOC (in) 4 2.44 0.000 3 0.000	wt 1 6.50 0 0.00	Sur. Grd N-80	
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN	To (ftth ng 35 Primary Top (ftt HB) 0.0 7445.0 7448.0 11145.0	0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 7448.0 11145.0	3: 31: 16: Jnts 224	90 : 59 : 50 TOC : 1D (in) 4 2.44 : 0.000 : 8 0.000 : 0.000	Wt 6.50	Sur. Grd N-80	8ra
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS	To (ftth ng 35 Primary Top (ftt 18 0.0 744 5.0 1114 5.0 1114 6.0	0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 7448.0 11145.0 11150.0	(sx) 31 16 Jnts 224	90: 59: 50: TOC (in) 4: 2.44 0.000 0.000 0.000	wt 1 6.50 0 0.00 0 0.00 0 0.00	Sur. Grd : N-80	8ra
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS	To (ftKB) Top (ftKB) 0.0 7445.0 7448.0 11145.0 11150.0	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 11145.0 11146.0 11150.0 11182.0	(sx) 31 16 Jnts 224	90 59 50 TOC (in) 4 2.44 0.000 3 0.000 0.000 0.000	wt 1 6.50 0 0.00 0 0.00 0 0.00	Sur. Grd : N-80	8ra
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e	To (ftKB) Top (ftKB) 0.0 7445.0 7448.0 11145.0 11150.0	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 11145.0 11146.0 11182.0 2.) - Plus	(sx) 31 16 Jnts 224	90 59 50 TOC (in) 4 2.44 0.000 3 0.000 0.000 0.000	wt 1 6.50 0 0.00 0 0.00 0 0.00	Sur. Grd N-80	8ra
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS	To (ftKB) Top (ftKB) 0.0 7445.0 7448.0 11145.0 11150.0	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 11145.0 11146.0 11150.0 11182.0	(sx) 31 16 Jnts 224	90 59 50 TOC (in) 4 2.44 0.000 3 0.000 0.000 0.000	wt 1 6.50 0 0.00 0 0.00 0 0.00	Sur. Grd N-80 N-80	8ra 8ra
Casing String Surface Casing Intermediate Casing Production Casing Tubing String Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e	To (fth) Primary Top (ftKB) 0.0 7445.0 7448.0 11146.0 11150.0 quip., etc	(B) 0.0 0.0 550.0 Tubing 8tm (ftKB) 7445.0 11145.0 11146.0 11182.0 11182.0 item	(sx) 31 16 Jnts 224	90 59 50 TOC (in) 4 2.44 0.000 3 0.000 0.000 0.000	Wt 1 6.50 0 0.00 0.00 0.00 0 0.00 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.0	Sur. Grd N-80 N-80	8ra 8ra
Casing String Surface Casing Intermediate Casing Production Casing Tubing String Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e- Date	To (ftKB) Top (ftKB) 0.0 7445.0 7448.0 11145.0 11150.0	(B) 0.0 0.0 550.0 Tubing 8tm (ftKB) 7445.0 11145.0 11146.0 11182.0 11182.0 item	(sx) 31 16 Jnts 224	90 59 50 TOC (in) 4 2.44 0.000 3 0.000 0.000 0.000	Wt 1 6.50 0 0.00 0.00 0.00 0 0.00 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.0	Sur. Grd N-80 N-80	8ra 8ra
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e- Date 1/17/96 Ce Perforations	To (fth) Primary Top (ftKB) 0.0 7445.0 7448.0 11146.0 11150.0 quip., etc	(B) 0.0 0.0 550.0 Tubing 8tm (ftKB) 7445.0 11145.0 11146.0 11150.0 11182.0 item	(sx) 31 16 Jnts 224	90 59 50 TOC (in) 4 2.44 0.000 0.000 0.000 0.000	wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 0 11119	Sur. Grd N-80 N-80 Int (ftKB)	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e- Date	To (fth) Primary Top (ftKB) 0.0 7445.0 7448.0 11146.0 11150.0 quip., etc	(B) 0.0 0.0 550.0 Tubing 8tm (ftKB) 7445.0 11145.0 11146.0 11182.0 11182.0 item	(sx) 31 16 Jnts 224	90 59 50 TOC (in) 4 2.44 0.000 0.000 0.000 0.000	wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 11119 Shots	Sur. Grd N-80 N-80	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e- Date 1/17/96 Ce Perforations Date	To (ftk) Primary Top (ftkB) 0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc	(B) 0.0 0.0 550.0 Tubing 8tm (ftKB) 7445.0 11145.0 11150.0 11182.0 11182.0 item	(sx) 33 31: 16: Jnts 224 113	90 59 50 TOC (in) 4 2.44 0.000 0.000 0.000 0.000	wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 11119 Shots (/ft)	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 11	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e Date 1/17/96 Ce Perforations Date	To (ftk) Primary Top (ftkB) 0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc	(B) 0.0 0.0 550.0 Tubing 8tm (ftKB) 7445.0 11145.0 11146.0 11182.0 item	(sx) 33 311 160 Jnts 220 113	90 : 59 50 TOC (in) 4 2.44 0.000 0.000 0.000 ck	by Temp Wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 11119 Shots (/ft) 2.0	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 11	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96	To (ftk) Primary Top (ftkB) 0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc	(B) 0.0 0.0 550.0 Tubing 8tm (ftKB) 7445.0 11145.0 11146.0 11182.0 11182.0 Item	(sx) 33. 31. 16. Jnts 224 113. 9 Bac	90 59 50 TOC (in) 4 2.44 0.000 0.000 0.000 0.000	by Temp Wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 1 1119 Shots (/ft) 2.1	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 11	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e- Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96	To (ftk) Primary Top (ftKB) 0.0 7445.0 11145.0 11145.0 11150.0 quip., etc	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 7448.0 11145.0 11182.0 1182.	(sx) 33. 31. 16. Jnts 224 113. 9 Bac	90 : 59 50 TOC (in) 4 2.44 0.000 0.000 0.000 ck	by Temp Wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 11119 Shots (/ft) 2.0	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 11	8rd 8rd
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e- Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations &	To (ftk) Primary Top (ftkB) 0.0 7445.0 11145.0 11145.0 11150.0 quip., etc	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 7448.0 11145.0 11146.0 11182.0 1182.	(sx) 33. 31. 16. Jnts 224 113. 9 Bac	90 59 50 TOC ID (in) 4 2.44 0.00 0.00 0.00 0.00 0.00 0.00 0.00 ck	Wt 1 6.50 0 0.00 0 0.00 0 0.00 11119 Shots (/ft) 2.4	Sur. Grd N-80 N-80 Int (ftKB) 90.0 - 11 Statu	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date: Type	ftk- ng 3: Primary Top (ftKB) 0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 11145.0 11145.0 11182.0 1.1 - Plue Item Int 15.0 - 111 08.0 - 105 00.0 - 751 nts Interval	(sx) 33. 31. 16. Jnts 224 113. 9 Bac	90 : 59 50 TOC (in) 4 2.44 0.000 0.000 0.000 ck	by Temp Wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 1 1119 Shots (/ft) 2.1	Sur. Grd N-80 N-80 Int (ftKB) 90.0 - 11 Statu	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e- Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations &	reatme	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 11145.0 11146.0 11150.0 11182.0 item Int (5.0 - 111 08.0 - 109 00.0 - 751 nts Interval 1115.0 -	(sx) 33. 31. 16. Jnts 224 113. 9 Bac	90 59 50 TOC ID (in) 4 2.44 0.00 0.00 0.00 0.00 0.00 0.00 0.00 ck	Wt 1 6.50 0 0.00 0 0.00 0 0.00 11119 Shots (/ft) 2.4	Sur. Grd N-80 N-80 Int (ftKB) 90.0 - 11 Statu	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date Type 1/30/96 Sand Frace	To (fth) Primary Top (ftKB) 0.0 7445.0 11145.0 11145.0 11150.0 quip., etc 1111 1090 750 Treatme	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 11145.0 11146.0 11150.0 11182.0 2.) - Plug Item Int 15.0 - 111 08.0 - 105 00.0 - 751 nts Interval 1115.0 - 11131.0	(sx) 33. 31. 16. Jnts 224 113. 9 Bac	90 59 50 TOC ID (in) 4 2.44 0.00 0.00 0.00 0.00 0.00 0.00 0.00 ck	Wt 1 6.50 0 0.00 0 0.00 0 0.00 11119 Shots (/ft) 2.4	Sur. Grd N-80 N-80 Int (ftKB) 90.0 - 11 Statu	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date: Type	To (ftk) Primary Top (ftKB) 0.0 7445.0 7448.0 11145.0 11145.0 11145.0 quip., etc ment Plug Treatme	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 71145.0 11145.0 11150.0 11182.0 2.) - Plug Item Int 15.0 - 111 08.0 - 105 00.0 - 751 nts Interval 1115.0 - 11131.0 0908.0 -	(sx) 33. 31. 16. Jnts 224 113. 9 Bac	90 59 50 TOC ID (in) 4 2.44 0.00 0.00 0.00 0.00 0.00 0.00 0.00 ck	Wt 1 6.50 0 0.00 0 0.00 0 0.00 11119 Shots (/ft) 2.4	Sur. Grd N-80 N-80 Int (ftKB) 90.0 - 11 Statu	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS 2 7/8 in MA Other (plugs, e- Date 1/17/96 Ce Perforations Date 1/26/96 2/8/96 Stimulations & Date Type 1/30/96 Sand Frace 2/3/96 Sand Frace	To (fth ng) 35 Primary Top (ftKB) 0.0 7445.0 11145.0 11145.0 quip., etc	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 11145.0 11145.0 11182.0 2.) - Plug Item Int 15.0 - 111 00.0 - 751 nts Interval 1115.0 - 11131.0 0908.0 10928.0	(sx) 33: 31: 16: Jnts 224 113: 131:0 928:0 15:0	90 59 50 TOC ID (in) 4 2.44 0.00 0.00 0.00 0.00 0.00 0.00 0.00 ck	Wt 1 6.50 0 0.00 0 0.00 0 0.00 11119 Shots (/ft) 2.4	Sur. Grd N-80 N-80 Int (ftKB) 90.0 - 11 Statu	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS 2 7/8 in MA Other (plugs, e- Date 1/17/96 Ce Perforations Date 1/26/96 2/8/96 Stimulations & Date 1/30/96 Sand Frace 2/3/96 Sand Frace	To (fth ng) 35 Primary Top (ftKB) 0.0 7445.0 11145.0 11146.0 11150.0 quip., etc	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 71145.0 11145.0 11150.0 11182.0 2.) - Plug Item Int 15.0 - 111 08.0 - 105 00.0 - 751 nts Interval 1115.0 - 11131.0 0908.0 -	(sx) 33: 31: 16: Jnts 224 113: 131:0 928:0 15:0	90 59 50 TOC ID (in) 4 2.44 0.00 0.00 0.00 0.00 0.00 0.00 0.00 ck	Wt 1 6.50 0 0.00 0 0.00 0 0.00 11119 Shots (/ft) 2.4	Sur. Grd N-80 N-80 Int (ftKB) 90.0 - 11 Statu	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e- Date 1/17/96 Ce Perforations Date 1/26/96 2/8/96 Stimulations & Date 1/30/96 Sand Frac 2/3/96 Sand Frac 2/10/96 Sand Frac Fish - Primary I	To (fth ng 35 Primary Top (ftKB) 0.0 7445.0 11145.0 11145.0 quip., etc	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 11145.0 11145.0 11182.0 1182.0	(sx) 33. 31. 16. Jnts 224 113 131.0 9 Bac	90 : 59 : 50 : TOC ID (in) 4 : 2.44 3 : 0.000 0.000 0.000 0.000 c.k Fluid	by Temp Wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 1 1119 Shots (/ft) 2.1 4.1	Sur. Grd N-80 N-80	8rd 8rd 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e- Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date Type 1/30/96 Sand Frac 2/10/96 Sand Frac 2/10/96 Sand Frac	To (fth ng) 35 Primary Top (ftKB) 0.0 7445.0 11145.0 11146.0 11150.0 quip., etc	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 11145.0 11145.0 11182.0 1182.0 1	(sx) 33:31:16: Jnts 224:11:3 g Bac	90 : 59 : 50 : TOC ID (in) 4 : 2.44 3 : 0.000 0.000 0.000 0.000 c.k Fluid	by Temp Wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 1 1119 Shots (/ft) 2.1 4.1	Sur. Grd N-80 N-80 Int (ftKB) 90.0 - 11 Statu	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, e Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date Type 1/30/96 Sand Frac 2/3/96 Sand Frac 2/10/96 Sand Frac Fish - Primary I	To (ftk) Primary Top (ftkB) 0.0 7445.0 11145.0 11145.0 11146.0 11150.0 quip., etc ment Plug 750 Treatme 1 750 Fish em	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 11145.0 11146.0 11150.0 11182.0 item Int 5.0 - 111 08.0 - 105 00.0 - 751 11131.0 11131.0 11131.0 10928.0	(sx) 31:16:16:16:16:16:16:16:16:16:16:16:16:16	90 : 59 : 50 : TOC ID (in) 4	by Temp Wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 11119 Shots (/ft) 2.1 4.1	Sur. Grd N-80 N-80	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, e- Date 1/17/96 Ce Perforations Date 1/26/96 2/8/96 Stimulations & Date 1/30/96 Sand Frac 2/3/96 Sand Frac 2/10/96 Sand Frac Fish - Primary I	To (ftk) Primary Top (ftkB) 0.0 7445.0 11145.0 11145.0 11146.0 11150.0 quip., etc ment Plug 750 Treatme 1 750 Fish em	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 7448.0 11145.0 11146.0 11182.0 111	(sx) 33. 31. 16 Jnts 224 113 131.0 928.0 15.0 nt KB) 88.0 -	90 : 59 : 50 : TOC ID (in) 4	by Temp Wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 11119 Shots (/ft) 2.1 4.1	Sur. Grd N-80 N-80	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, e Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date Type 1/30/96 Sand Frac 2/3/96 Sand Frac 2/10/96 Sand Frac Fish - Primary I	To (ftk) Primary Top (ftkB) 0.0 7445.0 11145.0 11145.0 11146.0 11150.0 quip., etc ment Plug 750 Treatme 1 750 Fish em	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 7448.0 11145.0 11146.0 11182.0 111	(sx) 31:16:16:16:16:16:16:16:16:16:16:16:16:16	90 : 59 : 50 : TOC ID (in) 4	by Temp Wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 11119 Shots (/ft) 2.1 4.1	Sur. Grd N-80 N-80	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, e Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date Type 1/30/96 Sand Frac 2/3/96 Sand Frac 2/10/96 Sand Frac Fish - Primary I	To (ftk) Primary Top (ftkB) 0.0 7445.0 11145.0 11145.0 11146.0 11150.0 quip., etc ment Plug 750 Treatme 1 750 Fish em	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 7448.0 11145.0 11146.0 11182.0 111	(sx) 33. 31. 16 Jnts 224 113 131.0 928.0 15.0 nt KB) 88.0 -	90 : 59 : 50 : TOC ID (in) 4	by Temp Wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 11119 Shots (/ft) 2.1 4.1	Sur. Grd N-80 N-80	8rc 8rc 250.0
Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, e Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date Type 1/30/96 Sand Frac 2/3/96 Sand Frac 2/10/96 Sand Frac Fish - Primary I	To (ftk) Primary Top (ftkB) 0.0 7445.0 11145.0 11145.0 11146.0 11150.0 quip., etc ment Plug 750 Treatme 1 750 Fish em	(B) 0.0 0.0 550.0 Tubing Btm (ftKB) 7445.0 7448.0 11145.0 11146.0 11182.0 111	(sx) 33. 31. 16 Jnts 224 113 131.0 928.0 15.0 nt KB) 88.0 -	90 : 59 : 50 : TOC ID (in) 4	by Temp Wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 11119 Shots (/ft) 2.1 4.1	Sur. Grd N-80 N-80	8rc 8rc 250.0

WELL HISTORY

WELL NAME:

JAMES RANCH UNIT #16

FIELD NAME:

LOS MEDANOS

LOCATION:

1980' FNL & 330' FEL SEC 36, T22S, R30E

EDD CO. NM

ELEV:

3313' GL

SPUD DATE:

12/31/95

COMP DATE:

3/9/96

ORIG TD:

11,250'

ORIG PBTD:

11,190'

CASING:

13 3/8", 48#, CSA 538', CMT W/390 SXS, CMT CIRC TO SURFACE 8 5/8", 32#, CSA 3820', CMT W/3159 SXS, CMT CIRC TO SURFACE 5 \(\frac{1}{2}''\), 17# CSA 11,250', CMT W/1650 SXS, TOC @ 3550'(TEMP SUR)

TUBING:

2 7/8" TBG @ 11, 172'

DST:

(|

NONE

CORES & LOGS:

28 SIDEWALL CORES (1/16/96)

LOGS ??

INITIAL COMPLETION

1/26/96 TO 2/2/96 PERF, ACIDIZE & FRAC WOLFCAMP

Perf 11,115-11,131 (16'-2SPF @ 60° phasing). Acidize w/1500 gals 15% HCL. Frac w/53,000 gals Sprectra Frac G-4000 + 301,000 # 20/40 Ottawa sand + 20,350# 20/40 Econoprop. SI 4 hrs for break, flow back well 3 days.

2-3-96 TO 2-7-96 PERF, ACIDIZE & FRAC 3RD BONE SPRING

Tagged sand plug @ 11,006', tested to 4000# using methanol, no leak-off. Perf Bone Spring Fm @ 10,908-28' (20'-40 shots). Acidize w/1000 gals 15% HCL. Frac w/48,000 gals Sprectra Frac G-4000 + 350,000# 20/40 sand + 30,000# 20/40 Econoprop. Flow well back 5 days.

2-8-96 TO 2-11-96 PERF, ACIDIZE & FRAC DELAWARE (BRUSHY CANYON "V" SAND)

Set CIBP @ 10,796', tested to 4000#. Perf 7500-15' (15' 61 SHOTS 0° phasing. Acidized w/2,000 gals 15% HCL. Frac w/24,500 gals Spectra-Frac G-3000 + 52,000# 20/40 Brady sand + 20,000# 20/40 ACFRAC CR-4000 (RCS). Flow well back, well died, swabbed well.

WELL HISTORY JAMES RANCH UNIT #16 PAGE 2

2-23-96 RU Apollo Wireline, run after frac survey. RD, left flowing, 77 BO, 36 BW on 64/64" ck., 10 psi FTP.

2-27-96 to 3-6-96 Attempt to put on Artificial Lift

Attempt to run tbg, rods and pump. Parted tbg and had to fish. Caught fish & LD. Well KO & flowed.

3-8-96 to 3-12-96 Drill Out CIBP and Commingle Wolfcamp, Bone Spring & Delaware Perfs

Drilled CIBP @ 10,796. Top sand plug @ 11,006, wash and rotate, chased CIBP to 11,095'. Drilled CIBP, wsh & rotate to 11,190', circ hole clean. Left well flowing 2 days. POH w/BHA, lost 2 cones off 4 $\frac{1}{4}$ " bit. RIH w 226 jts 2 7/8", 6.5 $\frac{1}{4}$, N-80 tbg, @ 7411'. RIH w/ rods, POH & LD rods. Left well flowing.

- 3-24-96 RIH w/rods and pump. Hung well on production.
- 4-12-96 TO 4-18-96 MIRU PU, TOH w/rods & pump. TOH w/112 jts 2 7/8" tbg, PU TAC & TIH w/tbg. PU additional 112 jts. 2 7/8" 6.5# N-80 tbg, total 337 jts. SN landed @ 11,145' KB. RIH w/rods and pump. Start well pumping. Well is pumping 120 BOPD, 250 MCFPD, 64 BWPD.

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

PACIFICATION FROM THE PROPERTY OF THE PARTY.

DISTRICT III 1000 Ria Brazos Rd. Az NM 87410

OIL CONSERVATION DIVISION P. C. Box 2088

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

AMENDED REPORT

1000 Ria Brazos Rd.
A7 NM 87410

Santa Fe, New Mexico 87504-2088

DIS.RICT IV

P. O. Box 2088

South Fe NM 87507-2088

Santa - C. N		· · · · · · · · · · · · · · · · · · ·	VELL LOC	TION.	ANU A	MEAGE I	JEDICA	TION	PLAT		
· APT Number	•	•	2 Pagi Code		3 Poo	i. Name					
Property Co.	de	2 Property	iame	J	AMES F	RANCH UN	IIT			* Yell Number	
OGZUD No.		* Operator >	isme			GAS CI		,		· Elevation	:
			 			LOCATION				1 331	<u> </u>
To or lot no.		Township	Rang	•	Lot Ide	Feet from the		outh liza	•	Zast/West line	1
H	38	22 SOUTH	<u> </u>		<u> </u>	1980		RIH	330.	EAST	EDDY
L or lot sal	g		M HOLE								
L ar lat Hat	Section	Township	Range	,	LAE Ida:	lest hom the	North/2	outz une	Year from the	Zast/Yest line	County
Dedicated Ac	78s 13 lo	nt or Infill	14 Consolidatio	m. Code:	12 Order N	a.				-	
									NTERESTS HA		
	CON	COLUATED	OR. A. NON-	-STANDA	RD UNI	HAS BEEN	APPRO	IAERI H	Y THE DIVIS		I MTON
 (•		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			I hereby cart	R CERTIFIC tify that the int ein is true and fany knowledge o	formation complete
•		1	! ! !						Signature		
		1 1 1				1	198	30'	Printed Name		
 }		- 	·					[Mue		
ļ		1	; ; ;			1			Date		
] }		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1		130.	l hereby co location sho plotted from	CERTIFICA ertify that the wn an this pi field notes of	ne well lat was f actual
		; ; ; !	· 1		e.				my supervi	de by me ar sion, and the and correct belief:	at the
		1	. - 			1 1 1			OCTOR	ER 25, 1995	1
									* VI HEZ	EH WEIGH	#7920 V.H.S.

ज्ञात विकास के New Mexico Energy: Minerals and Natural Resources Department Form C-105 ं काय निर्मादन ने ध Revenue 1-1-59 late Late -11 1 1 1 1 1 ₩قلير مكا ٥٥. OIL CONSERVATION DIVISION 30 015 28623 1 1980 Ficon NM P.O. Box 2088 S. Indicate Type of Lesse Sanm Fe. New Mexico 37504-2088 P.O. Stawer DD. Artens. NM 88710 STATE KI FEE | | 6. State Oil & Gas Lease No. E-4229-4 1000 Rio Statos Rd. Allec. NM 87410 WELL COMPLETION OR RECOMPLETION REPORT AND LOG L. Type of Well: 7. Lase Name or Unit Agreement Name OF AET: 27 GAS WELL DRY L OTHER Oe! Type of Commissions: James Ranch Unit (4060)MET WE GAS RESTAN . CLUBER DEEPEN | : Name or Operator A Weil No. Enron Oil & Gas-Sompany Address of Contains y. FOOI name or wilden P. O. Box 2267, Midland, Taxas 79702 Los Medanos Delawara (40297) : 1980 Fee From The north _ Line and 330 east _ عصابات Feet From The Toward 22S 30E Eddy 36 NMPM Second معمدة Camey 13. Elevanous (DF à RKB. RT. GR. 42.) O. Data Screeces 11. Date T.D. Rescond 12. Date Comp. (Ready to Prod.) 14. Sev. Cisspen 3313' GR 3313' 2-9-96 12-31-05 1-14-96 عنصة عاضي S. Tour Descri 16. Pluz Back T.D. 17. If Musice Compa How Many Zones ! Dailed By , V 11214 20. Was Directional Survey Made Producing intervalle), of this completion - Top, Bottom, Name No 7500-7515 Electric and Other Logs Run T. Was Well Caren _ Ind Lacerolog, Spec. Density Dual Sapced Nuetron No CASING RECORD (Report all surings set in weil) CEMENTING RECORD | AMOUNT PULLE HOLE SIZE CASING SIZE WEIGHT LEVET DEPTH SET 390 sk Prem Plus: 538 17-1/2 7_3/9 11009 sx Prem Plus & 3820 3_3/9 37 ı 12-1/4 Girculated +1500 Pram 50/50 Poz sk Fram 50/50 poz TOS 3550 7-7/3 iper semp sur NER RECORD TUBING RECOR DEPTH SET ت تسک 507 I SACKS CEMENT ! PACKER SE SCREEN SIZ = 2 - 7/8740 L 77. ACID. SHOT. FRACTURE CEMENT. SOURES Perforance record (interval size and number) AMOUNT AND KIND MATERIAL USED DEPTH INTERVAL (.32" 1,115-11,131 I Sand blug & 11,006 (.32" 40) 11115-11131 10,908-10,923 1 CTBP 3 10.796 10908-10923 (.30"61)7500-7515 300 gal linear gel. 45760 ga_ PRODUCTION Spectra frac G-3000 w/52.000# 20/40 Brady san Weil State (Prod. or Skin-in) Promission Marcos (Flamme, gas wit, pumping - Size and type memo) Data fine interesses 2-10-96 Producios Flowing Gas - Oti Ramo . Gas - MC.F Water - abl. Prog a For Cil - abl. or Tos HOUR TOWN عنند ععص Total Person 488 100 121 2-13-96 64/64 205 Oil Gravity - AP! - (Curr.) ₩ater - 3bL Oil - BbL Gas - MCF Calculated 24 بعجج وشاشع المحا Ciang Premire HOS RUE 40.5 20 400 Test Withers By P. Cissoeuce of Cae (Soid, and for free, versea, etc.) 9.2 Fracture ## and 2500 gals AC frac GR 4000 فتعصصه عنا 4/20 000# 20-40 Pasis-Costad Sand <u> Inclination Survey & Form 0-164</u> 31. I nevery certify that the information snown on ooth sides of this form is true and complete to the pest of my prowledge and being TuZagulacory Analys Date 2/14/96 Besty Gildon)Name Signature

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

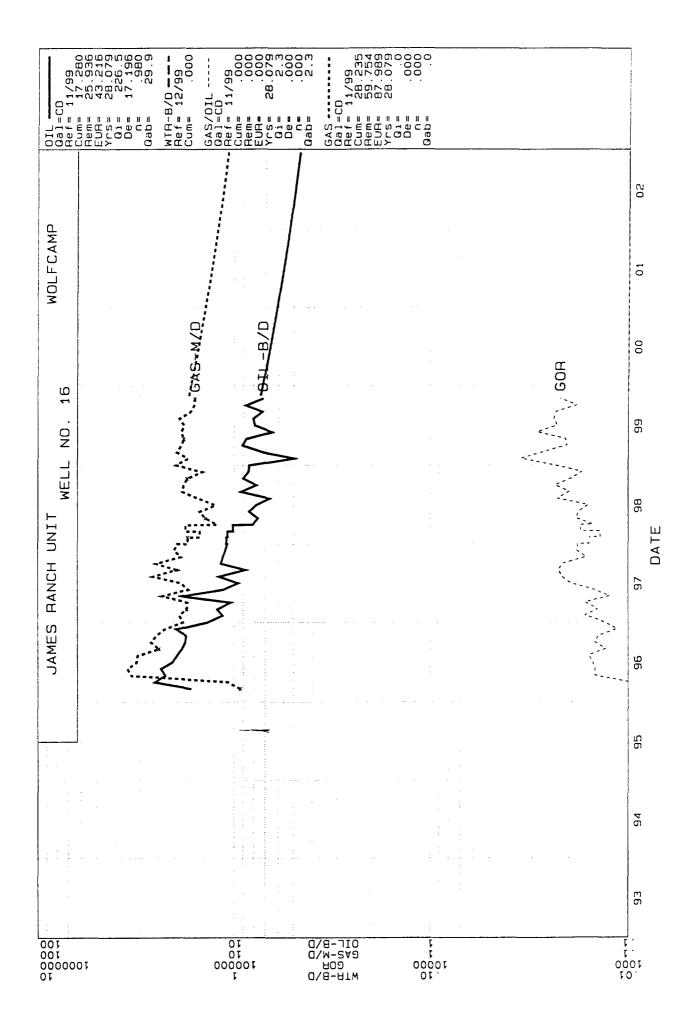
WELL DATA

LOCATION H UNIT, SECTION 36 TOWNSHIP 22 SPUD DATE 12/31/95 COME	1980 FFFT FROM		_		WOLFC	AMP
		M <u>N</u>	LINE &	330	_FEET FROM	ELINE
SPUD DATE <u>12/31/95</u> COMP	S , RANGE 30E	, COUNTY		EDDY		, NEW MEXICO
	LETION DATE	1/31/96	INITIAL PRODUC	TION		1/31/96
PERFORATIONS 11,115-11,131'						
STIMULATION:						
ACID 1500 GALS 15% HC	L ACID.					
FRACTURE 53,00	O GALS SPECTRA FRAC G-40	00, 301,000# 20/	40 OTTAWA SA	ND, & 20,3	50# 20/40 ECC	ONOPROP.
				<u> </u>		 _
	· · · · · · · · · · · · · · · · · · ·					-
	507 RWPD					
POTENTIAL1/31/96 213 BOPD,	30. 51.15					
 _						
 _	Sketch of Completed Well.)	RIC CALCULAT	rion			
POTENTIAL 1/31/96 213 BOPD, (Attach Copy of C-105. Attach Copy of Wellbore	Sketch of Completed Well.)	RIC CALCULAT	rion			
	Sketch of Completed Well.)		SA		PERFORATED B Y PRODUCTIVE	
(Attach Copy of C-105. Attach Copy of Wellbore	Sketch of Completed Well.) VOLUMET		SA			
	Sketch of Completed Well.) VOLUMETI SANDS PER		SA			
(Attach Copy of C-105. Attach Copy of Wellbore Area (A) proration unit size, acres Porosity (por), %	Sketch of Completed Well.) VOLUMETI SANDS PER 40		SA			
(Attach Copy of C-105. Attach Copy of Wellbore Area (A) proration unit size, acres Porosity (por), % Water saturation (Sw), %	VOLUMETE SANDS PER 40 12.3%		SA			
(Attach Copy of C-105. Attach Copy of Wellbore Area (A) proration unit size, acres Porosity (por), % Water saturation (Sw), % Net Thickness (h), ft.	Sketch of Completed Well.) VOLUMETI SANDS PER 40 12.3% 41%		SA			
Area (A) proration unit size, acres Porosity (por), % Water saturation (Sw), % Net Thickness (h), ft. Temperature (T), Fahrenheit	Sketch of Completed Well.) VOLUMETI SANDS PER 40 12.3% 41% 20.5		SA			
Area (A) proration unit size, acres Porosity (por), % Water saturation (Sw), % Net Thickness (h), ft. Temperature (T), Fahrenheit Bottom Hole pressure (P), psia	Sketch of Completed Well.) VOLUMETI SANDS PER 40 12.3% 41% 20.5 170		SA			
(Attach Copy of C-105. Attach Copy of Wellbore Area (A) proration unit size, acres	Sketch of Completed Well.) VOLUMETI SANDS PER 40 12.3% 41% 20.5 170 6,006		SA			

PERFORMANCE DATA

(If sufficient history exists, a	attach plot of oil production ra	ate v time.)		
CUMULATIVE PRODUCT	TION TO	11/30/99	;17,280	BBLS
INITIAL RATE (qi)	-		226	_
ECONOMIC LIMIT (qI)	_		30	_
DECLINE RATE, dy	_	Hyperbolic d =	17.19% n = .98	_
REMAINING OIL (Q) =	_	17	,220	_
ULTIMATE RECOVERABL	.E OIL _	34	,500	_
(Attach plat showing prorat	ion unit and participating area	.)		
	• • •			
		ECO	NOMIC	
(
WELL COST \$	825,000 (to the depth	of formation completed)		
RECOMPLETION COST \$	0			
TOTAL COST \$	825,000			
VEAD	Choss On	DEVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW
YEAR	GROSS OIL	REVENUE		
ZERO	0	0	0	-825,000
1	6,500	139,900	23,400	111,400
2	4,200	89,400	20,900	59,500
3	3,400	49,800	18,000	25,000
4	2,800	58,000	18,600	28,000
5	2,500	64,000	19,000	28,900
6	2,100	46,000	17,700	16,500
7	1,800	37,800	17,200	10,900
8	1,600	32,100	16,700	7,400
9	1,400	28,800	16,400	5,300
10	1,300	26,200	16,200	3,900
REMAINDER	6,800	136,100	109,400	7,900

WELL IS NOT COMMERCIAL



JRU #16 WOLFCAMP PREPARED BY: KENT ADAMS

: 02/07/00 .1ME : 13:37:12 DBS FILE : JRUPA SETUP FILE : CD SEQ NUMBER 20.740 14.430 19.250 24.940 20.670 19.200 18.180 2.610 2.590 2.110 2.270 2.600 2.580 .071 .002 18.130 2.570 INIT. RATE FINAL RATE 1.000 1.000 .125 .125 1190.000 30. CALCULATED DATA 116.880 222.260 220.740 114.430 119.250 24.940 20.670 119.200 119.200 118.180 1.940 2.610 2.590 2.110 2.270 2.600 2.580 2.570 .071 -.910 1.000 1.000 .002 .125 .125 226. 1.890 1190.000 EFF. DECL 17.20 11/27 1/96 12/96 12/97 12/98 12/00 12/01 11/27 11/27 11/27 11/27 11/27 12/97 12/99 12/00 12/02 12/03 11/27 11/27 11/27 11/27 11/27 11/27 11/27 LAST 11/27 11/27 11/27 36.182 43.216 ULTIMATE 17.20 000 00. 00. 00 00. 00. 00. 00. 00. TIME OPC PROCEDURE H/0.980 EXP FLAT FLAT FLAT FLAT FLAT FLAT LIN MM/YY
AD
AD
AD
AD
AD
AD
AD
AD SCHEDULE UNTIL LIFE DATA LIFE 05/2014 AD 7.03 IMU 01/2097 AD 1/95 1/96 1/97 1/98 1/2000 1/2001 1/2002 1/2003 1/95 1/96 1/97 1/98 1/99 1/2000 INPUT 5 F ဥ ဥ ဥ ဥ ဥ ဥ ဥ ဥ B/M B/M \$/B M/B -.9100 SCHEDULING RATES Ω 12.5000 226.48 59.92 18.39 22.26 20.74 14.43 19.25 24.94 20.67 19.20 18.18 1.94 2.61 2.59 2.11 2.27 2.27 2.60 2.58 7.08 .17 .0000 2.30 16.8800 -.9100 -.1300 100.0000 12.5000 .0000 1.8900 1190.00 100.0001 11/99 2/96 531 PRI/GAS 532 " 533 " 534 " 535 " 536 " 549 STX/OIL 554 STX/GAS 564 PRI/OIL 569 PRI/GAS 740 LSE/RIG 760 LSE/ORR 420 GAS/OIL PRI/OIL 720 LSE/RIC 761 OWN/ORR 700 LSE/WI 701 OWN/WI 721 OWN/RI 425 START 544 OPC/T 405 START 410 OIL 415 " 559 ATX ITEM

FINAL RATE	ESC. TEIGR 		
INIT. RATE	TOT. TEIER	;	
INI		! ! !	
EFF. DECL	RISK INV.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.:
LAST 2/00 2/00 2/00	MONTH 2/96 11/27		отнек филь :
ULTIMATE 17.496 28.712	TOTAL T&I		140
PROCEDURE	PROCEDURE	ITEM CUML, MB	*600 DISC, FREQUENCY : 365. OWNER QUAL : CD
SCHEDULE UNTIL	S 96 AD LIFE	25.	1*11 38*12 1*600 10.0 DISC. CD OWNER
SCHEDULE	TIME 02/96 TO	28.24	1+11 3 10.0 CD
G RATES	TANGIBLES & INTANGIBLES	ITEM CUMG, MMF	TIME FRAMES : PW %-AGE : PROD QUAL :
SCHEDULING RATES		AMETERSNONO	UMPTIONS : 2/96 : 2/96 : 2/96 : 2/96
OVERLAYS 905 LOAD 910 LOAD 915 LOAD	INVESTMENT 800 DRILL 801 SALVAGE	RESERVE PARAMETERS	PROJECT ASSUMPTIONS BASE DATE : 2/9. P.W. DATE : 2/9. REPORT DATE : 2/9.

í

•

RESERVES AND EFFECTIVE DATE
12/98 12/99
100.000 100.000 100.000 100.000 100.000 87.500 87.500 87.500 87.500
0. 0.
₹
3.0 2.
39.9 45.7 13.52 18.34
1.980 2.140
S
4
14.3 14.3
0.
٥.
31.8 39.4
39
ć
25.0 28.0
28
-629.1 -601.1

JRU #16 WOLFCAMP PREPARED BY: KENT ADAMS

AFTER TAX ECONOMICS

DATE : 02/07/00
TIME : 13:37:12
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 41

()

TREATMENT OF INVESTMENTS, M\$ EXP, RISK & CAP INT 495.0 .0 .0 DEPRECIABLE 330.0 .0 .0 CALCULATIONS, M\$ CALCULATIONS,	1							
89.4 89.4 14.0 14.0 19.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12/00 12/01	12/02 12/03	3 12/04	12/05	S TOT	AFTER	TOTAL
89.4 6.5 6.5 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 13.3 13.0 13.0 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 16.0 17.0 18		t t t	; ; ; ; ; ; ;	1 } ! ! !	1 1 1 1	1 1 1 1 1	:	:
89.4 4 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5					٥.	495.0	0.	495.0
89.4 4 4 6 . 5 . 6 . 6 . 5 . 6 . 6 . 6 . 5 . 6 . 6		0.	0.	0,	0.	0.	0.	0.
CALCULATIONS, M\$ GROSS REV. TO INTR. 139.9 89.4 4\$.8 - SEVERANCE TAX 10.1 6.5 \$ \$.6 - WPT TAX NET - WPT TAX NET - WPT TAX NET - OVERHEAD					۰.	330.0	-33.0	297.0
GROSS REV. TO INTR. 139.9 89.4 49.8 5 GROSS REV. TO INTR. 10.1 6.5 1.6 - WPT TAX NET 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
GROSS REV. TO INTR. 139.9 89.4 49.8 6 - SEVERANCE TAX								
- SEVERANCE TAX	89.	64.0 46.0	37.8 32.		26.2	572.0	136.1	708.2
- WPT TAX NET	9.	4.6 3.3	2.8 2.3	3 2.1	1.9	41.4	6.6	51.3
- OPR. COSTS & ATX	۰.				0.	٥.	0.	°.
- OVERHEAD . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 .	4.	14.4 14.4	14.3 14.3	14.3	14.3	142.5	100.2	242.7
- COVERHEAD - COVERHEAD - COVERHEAD - COVERHEAD - COVERNISED INV. 495.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	0.		0.	0.	٥.	٥.	0.	0.
- EXPENSED INV. 495.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	0.	0.	0.	0.	0.	0.	0.	0.
- DEPRECIATION				0.	٥.	495.0	°.	495.0
NET	w	30.4 29.5	29.5 17.2		٥.	330.0	٥.	330.0
- DEPLETION .0 .0 .0 .00 INTEREST PD & CAP .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	ao			7 12.4	9.9	-436.9	26.0	-410.8
- INTEREST PD & CAP .0 .0 .0 .00 TAXABLE .35.0 .35.0 .35.0 .35.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .		0.	0.	0.	0.	0.	٥.	0.
# TAXABLE		0.		0.	٥.	0.	٥.	0.
* TAX RATE, \$ 35.0 35.0 35.0 - TAX CREDIT .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		14.6 -1.2	-8.7 -1.7	7 12.4	6.6	-436.9	26.0	-410.8
- TAX CREDIT . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 .		0			35.0	35.0	35.0	35.0
- MPT REFUND .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0.	0.	o.	0,	0.	0.	0.	0.
F.I.T.	0	٥.	0.	0.	٥.	٥.	٥.	°.
REVENUE-SEV-WPT 129.9 82.9 46.2 - OPR. COSTS & ATX 13.3 14.4 14.4 + NPI OWNED - PAID 0 0 0 0 0 - F.I.T. 264.1 71.8 41.6 - I.CAN RET NCOME 264.1 71.8 41.6 - INVESTMENTS & RSK 825.0 0 0 0 - INVESTMENTS & RSK 825.0 0 0 0 - A.F.I.T. NET -560.9 71.8 41.6 - INVESTMENTS & RSK 825.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	۲.	5.14	-3.1(4.3	3.5	-152.9	9.1	-143.8
- OPR. COSTS & ATX 13.3 14.4 14.4 + NPI OWNED - PAID		Ī	35.1 29.6	3 26.7	24.3	530.6	126.2	656.8
+ NPI OWNED - PAID .0 .0 .0 .0000000		14.4 14.4	14.3 14.	3 14.3	14.3	142.5	100.2	242.7
- F.I.T147.6 -3.3 -9.7 -147.6 -3.3 -9.7 -147.6 -3.3 -9.7 -147.6 -3.3 -9.7 -147.6 -3.3 -9.7 -147.6 -3.3 -9.7 -147.6 -3.3 -9.7 -147.6 -3.3 -9.7 -147.6 -3.3 -9.7 -147.6 -147.6 -0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.	0.	٥.	0.	0.	0.
= A.F.I.T. 264.1 71.8 41.6 - LOAN REPAYMENT .0 .0 .0 - INTEREST PAID .0 .0 .0 - INVESTMENTS & RSK 825.0 .0 .0 - A.F.I.T. NET -560.9 71.8 41.6 - ENT WORTH @ 10.00 \$ - A.F.I.T. SECO.9 71.8 41.6 - INVESTMENTS & RSK 825.0 .0 .0 - A.F.I.T. NET -560.9 71.8 41.6		5.14	-3.1(5 4.3	3.5	-152.9	9.1	-143.8
- LOAN REPAYMENT .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	41.6	N	7		6.5	541.0	16.9	558.0
- INTEREST PAID .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		0.	0.	0, 0	0.	0.	0.	0.
= NET INCOME 264.1 71.8 41.6 - INVESTMENTS & RSK 825.0 .0 .0 - A.F.I.T. NET -560.9 71.8 41.6	٥.	0		_	0.	0.	٥.	0.
- INVESTMENTS & RSK 825.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .		39.9 28.7	23.8 16.	1 8.1	6.5	541.0	16.9	558.0
= A.F.I.T. NET -560.9 71.8 41.6 ENT WORTH @ 10.00 \$ NET INCOME 252.4 62.4 32.7 INVESTMENTS & RISK 825.0 .0 .0				0,	٥.	825.0	-33.0	792.0
ENT WORTH @ 10.00 % NET INCOME 252.4 62.4 32.7 INVESTMENTS & RISK 825.0 .0 .0	4,	39.9 28.7	23.8 16.1	1 8.1	6.5	-284.0	49.9	-234.0
NET INCOME 252.4 62.4 32.7 INVESTMENTS & RISK 825.0 .0 .0								
INVESTMENTS & RISK 825.0 .0 .0	71	25.7 16.7	12.5 7.7	3.5	2.5	444.8	5.1	449.9
			0.	0,	0.	825.0	-6.1	ω.
A.F.I.T. NET -572.6 62.4 32.7		25.7 16.7		3.5	2.5	-380.2	11.2	-369.0
-510.2 -4	77.6 -4	423.1 -406.4	-38	-382.	-380.2	-380.2	-369.0	-369.0

JRU #16 WOLFCAMP PREPARED BY: KENT ADAMS

DATE : 02/07/00
TIME : 13:37:12
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 41

1

ECONOMIC INDICATORS

AS OF DATE: 2/96

A.F.I.T.	BONUS	MS
A.F.I.T.	MORTH	MS
B.F.I.T.	WORTH	M\$

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

RATE-OF-RETURN VS. BONUS	BONUS TABLE		
.0	-377.846	-234 050	-360.076
2.	-414.898	-269.913	-394,319
5.	-459.584	-313.829	-432.310
. 9	-472.198	-326.397	-442.544
.8	-494.706	-349.063	-460.435
10.	-514.189	-368.972	-475,656
20.	-582.303	-441.551	-528.952
30.	-623.555	-488.799	-563.213
40.	-651.582	-522.992	-588,258
50.	-672.034	-549.360	-607.778
.09	-687.711	-570,593	-623.643
70.	-700.180	-588.244	-636.942
80.	-710.386	-603.279	-648.357
.06	-718.933	-616.329	-658.339
100.	-726.225	-627.826	-667,193
RATE OF RETURN, PCT.	0,	0.	
UNDISCOUNTED PAYOUT, YRS.	. 16.92	16.92	
DISCOUNTED PAYOUT, YRS.	16.92	16.92	
UNDISCOUNTED NET/INVEST.	.52	. 70	
DISCOUNTED NET/INVEST.	.37	55.	

Tha

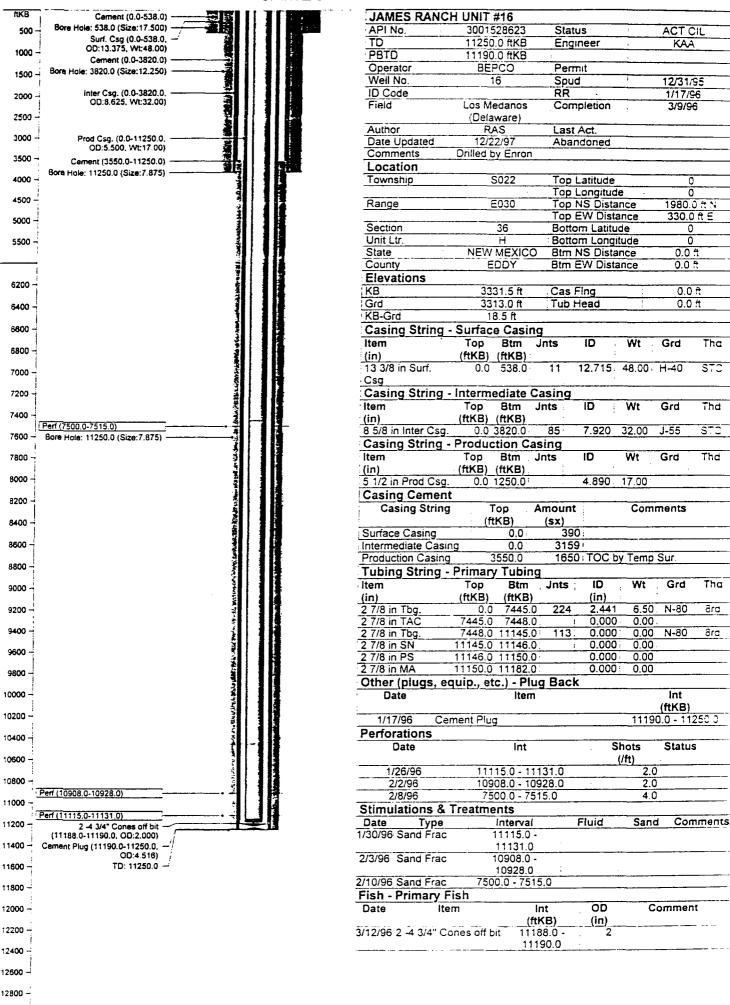
Thd

Thd

Tha

8ra

8ra



WELL HISTORY

WELL NAME:

JAMES RANCH UNIT #16

FIELD NAME:

LOS MEDANOS

LOCATION:

1980' FNL & 330' FEL SEC 36, T22S, R30E

EDD CO. NM

ELEV:

3313' GL

SPUD DATE:

12/31/95

COMP DATE:

3/9/96

ORIG TD:

11,250'

ORIG PBTD:

11,190'

CASING:

13 3/8", 48#, CSA 538', CMT W/390 SXS, CMT CIRC TO SURFACE 8 5/8", 32#, CSA 3820', CMT W/3159 SXS, CMT CIRC TO SURFACE 5 4", 17# CSA 11,250', CMT W/1650 SXS, TOC @ 3550'(TEMP SUR)

TUBING:

2 7/8" TBG @ 11, 172'

DST:

NONE

CORES & LOGS:

28 SIDEWALL CORES (1/16/96)

LOGS ??

INITIAL COMPLETION

1/26/96 TO 2/2/96 PERF, ACIDIZE & FRAC WOLFCAMP

Perf 11,115-11,131 (16'-2SPF @ 60° phasing). **Acidize** w/1500 gals 15% HCL. **Frac** w/53,000 gals Sprectra Frac G-4000 + 301,000 # 20/40 Ottawa sand + 20,350# 20/40 Econoprop. SI 4 hrs for break, flow back well 3 days.

2-3-96 TO 2-7-96 PERF, ACIDIZE & FRAC 3RD BONE SPRING

Tagged sand plug @ 11,006', tested to $4000 \ddagger$ using methanol, no leak-off. Perf-Bone Spring Fm @ 10,908-28' (20'-40 shots). Acidize w/1000 gals 15% HCL. Frac w/48,000 gals Sprectra Frac G-4000 + 350,000 \ddagger 20/40 sand + 30,000 \ddagger 20/40 Econoprop. Flow well back 5 days.

2-3-96 TO 2-11-96 PERF, ACIDIZE & FRAC DELAWARE (BRUSHY CANYON "V" SAND)

Set CIBP @ 10,796', tested to 4000#. Perf 7500-15' (15' 61 SHOTS 0° phasing. Acidized w/2,000 gals 15% HCL. Frac w/24,500 gals Spectra-Frac G-3000 + 52,000# 20/40 Brady sand + 20,000# 20/40 ACFRAC CR-4000 (RCS). Flow well back, well died, swabbed well.

WELL HISTORY
JAMES RANCH UNIT #16
PAGE 2

2-23-96 RU Apollo Wireline, run after frac survey. RD, left flowing, 77 BO, 36 BW on 64/64" ck., 10 psi FTP.

2-27-96 to 3-6-96 Attempt to put on Artificial Lift

Attempt to run tbg, rods and pump. Parted tbg and had to fish. - Caught fish & LD. Well KO & flowed.

3-8-96 to 3-12-96 Drill Out CIBP and Commingle Wolfcamp, Bone Spring & Delaware Perfs

Drilled CIBP @ 10,796. Top sand plug @ 11,006, wash and rotate, chased CIBP to 11,095'. Drilled CIBP, wsh & rotate to 11,190', circ hole clean. Left well flowing 2 days. POH w/BHA, lost 2 cones off 4 $\frac{1}{4}$ " bit. RIH w 226 jts 2 7/8", 6.5 $\frac{1}{4}$, N-80 tbg, @ 7411'. RIH w/ rods, POH & LD rods. Left well 'flowing.

3-24-96 RIH w/rods and pump. Hung well on production.

4-12-96 TO 4-18-96 MIRU PU, TOH w/rods & pump. TOH w/112 jts 2 7/8" tbg, PU TAC & TIH w/tbg. PU additional 112 jts. 2 7/8" 6.5# N-80 tbg, total 337 jts. SN landed @ 11,145' KB. RIH w/rods and pump. Start well pumping. Well is pumping 120 BOPD, 250 MCFPD, 64 BWPD.

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

الأوا المستعدد المعلاد المستعدد المستعد

DISTRICT UI 1000 Rio Brazos Rd. A7 NM 87410

OIL CONSERVATION DIVISION P. 0. Box 2088 Santa Fe, New Mexico 87504-2088

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

AMENDED REPORT

DI RICT F F. O. Box : Santa Fe. N	2088	 T. 3088		e da Maria			•				
1 APT Number		7-2008.	Pool Code	ATION		CREAG:	E DED	DICATION	PLAT		-
· Property Co	de	2 Property N	ame		AMES I	RANCH	LINTT		''	• Vell Number	-
OGZIT No.		* Operator X	ame			& GAS	···			* Elevation	•
•		ن مد				LOCAT					
IL of lot no. H	Section: 36	Township. 22. SOUTH	Reng 30 EAST,		Lot Ide	Feet from 1980	- 1	NORTH	?est from the	East/West line EAST	County EDDY
ŀ		"BOTTO	M HOLE	LOCATI	ON IF	DIFFE	RENT	FROM S	URFACE		
UL or lot no.	Section	Township.	Rang	•	Lot Ida	Feet from	the No	rth/South line	Feet from the	Zast/West line	County
Dedicated As	785. ⁽³ Jos	int or Infill	14 Consolidation	on Code	12 Order !	ia.			-		
I									TERESTS HAV		
								130.	/ hereby cartificantained here to the best of Signature Printed Name Title Date	on an this plates of field nates of the by me or and that and correct	TION e well actual under at the
									Date of Survey OCTOB Signature and Profession OF NI # VAL ###################################	NE PORTO	17920 /.H.S.

Submir Apparation	MEN	en per Sincers	e da New Mei nd Nacural Re	sources Deb com	eranes:			Form C-105 Revoca 1-1-29
Siture Approximately 141 Siture - 0 comments For Lease - Sicomments 1127777144144 2.0. Box 1980. Ficosom	Curati Mari	OIL CONSE			SION	WELL API 30 0	No. 15 28623	
P.O. Drawer DD. And	=== MM 38210		P.O. Box 2088 Tew Mexico		3	S. Indicate	Type or Lease STAT	
TOO No Brace Rd.	A== NM 87410					á Sixe Oi E-42	ii de Gas Lasse No. 29–4	
WELL	COMPLETION OF	RECOMPLET	ON REPORT	AND LOC	1	1//////		
L Type or Well: OIL WELL!						7. Lase N	TOS OF VINE ASTRO	
b. Type of Commence NEW WILL WILL GVER		7110 C 007	rk 🗍 oneek _			James	Ranch Unit	(4060)
Numer of Operator Entrop Of	il & Gas Compa					i. Weil No	1.5	
. Accres of Consid	<u>.</u>		······································			7. FOOL 520	DE OF WUGCEL	,
P. 0. 30	ox 2267, Midla	end, Texas 7	9702			Los Med	anos Delav	are (40297)
	H : 1980	, Feet Front The	north	Line and	330	F	i nos The _es	محنا عدد
Section	36	Townsin 225	Rang			MPM	Eddy	Солету
0. Dua Spupped	11. Data 7.3. Reserved 1-14-96	12. Date Comp. 2-9-	- (Ready to Prost) -96	13. 5	3313	F a R K3. RT. 'GR	GR. 46.1	Sev. Compens 3313'
5. Tout Depth * 1.250	16. Flug Back T	1 - 1	Musice Comp. Namy Zoom I	.How	18. imerata Dallos S	y Rocery To	ا ا	nie Toors
. Pr. 13 intervalls), of this completion - To	o, Sozon, Name					20. Was Directo	as Survey Made
7500-7515							Ио	
Type Elocate and O. Dual Ind Lac	heriopaka terolog, Spec.	Density Dua	al Sapced	Nuecron		T Was ?	Well Cored N	o
		CASING REC		rt all s uin				
CASING SIZE	WEIGHT LB/F		ET H		_ ! CS	MENTING		AMOUNT FULLED!
12_1/4	48	538	!	17-1/2 12-1/4	11:50		Pram Plusi	
3_5/3	1 37	<u> 3825</u>		12-17-			/50 Poz 1	Girculacec
5 1 / 2	· · · ·	11250		7-778			50/50 00	
	1	1 32-30	1		1			per semp surve
		NER RECORD			! 25.	1	UBING RECO	
\$27.5	; לסד	SOTTOM SA	CKS CEMENT !	المتعقبة المتعاددة ا	r i	S12.=	DEFIH SE	
:	!	l (<u> </u>			-7/8	7401	,
न्द्रांवयगवा क्व	er (jumanaj sipe m	ום השממבד:		1 77. AC	D. SHOT.	FRACTU	E CEMENT.	SOUPERE ETC.
11,115-11,13	1 (.32" 32)			ספיוא בי	TERYAL			MATERIAL USED
10,903-10,92	(3)(.32''.43)			11115-		Same	piug ĝ li,	<u> </u>
7500-7315	(.30" 61)			10903-	10923		<u>a 10.796 </u>	
				1 ##7500-				ei, 45760 ggi
						<u>G-3000</u>	<u>::/32.000#</u>	20/40 Brady 82
A FUR FIDENCIA	Proc	EDE MADOS (Flores	•	•	ibe bruso)			Prod. or Saus-as
2-10-96 e or Test	i Hours Forces	Core sur		<u> Wine</u> Ni - Bal	Gu - M		Product Water - BbL	Gas - Oil Ruco :
2-13-96	24	· · · ·	Cost Period	.a - 60. 205	1 10		171	438
# F - Freeze	Ciera Premire 400) - 85L			ne - gpr		A21 - (Capr.)
Dissource or Gas /Su	il. uses for these verses.	41C.)				Tex	Vicaced By	
Lis Amendus						nd 3537	77'8 10 4	rac GR 4000
							gala ay - Rasin-Chas	
	<u> Eion Europe</u> Ine vuormaane snowi							
, (21,) (42	VI. O							2/14/ <u>95.</u>

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

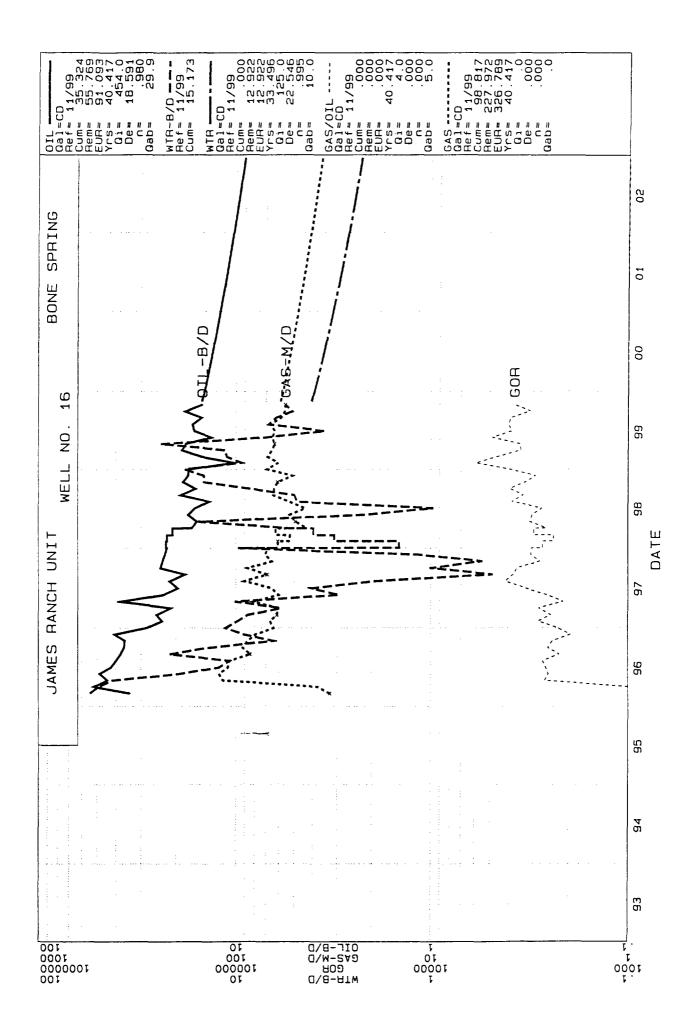
WELL	JAMES RANCH UNIT NO	D. 16	FORMATION	BONE SI	PRING
LOCATION H	UNIT, 1980	FEET FROM N	LINE &	FEET FROM	ELINE
SECTION36 TOWNSHIP		, COUNTY	E	DDY	, NEW MEXICO
SPUD DATE 12/31/95	COMPLETION DATE	2/4/96	_ INITIAL PRODUCTIO	N	2/4/96
PERFORATIONS 10,908-10,9	28'				
STIMULATION:		- Al-			· · · · · · · · · · · · · · · · · · ·
ACID 1000 GALS I	15% HCL ACID.				
FRACTURE	48,000 GALS SPECTRA	FRAC G-4000, 350,000# 2	0/40 OTTAWA SAND,	ex 30,000# 20/40 EC	ONOPROP.
POTENTIAL 2/7/96 133 I	BOPD, 155 BWPD, 350 N	ICFPD.			
(Attach Copy of C-105. Attach Copy of V	Wellbore Sketch of Comple	eted Well.)			
	V	OLUMETRIC CALCUL	ATION		
	41 7		SAND	S NOT PERFORATED	вит
		SANDS PERFORATED	POTE	NTIALLY PRODUCTIV	Ę
Area (A) proration unit size, acres	40	 			
Porosity (por), %	12.0%	-	-		
Water saturation (Sw), %	50%				
Net Thickness (h), ft.	37		_	·····	
Temperature (T), Fahrenheit	170				
Bottom Hole pressure (P), psia	5,896				
Recovery factor (RF), %	17%		-		
Recoverable oil, BBLS *(See eq. below)	83,653	-			
'ometimes unable to match performance		nty.			
Formula = $(7758) (A) (h) (por) (1-S)$	w) (1/Boi) (RF)		Boi = 1.40		

Commercial Determination Page #1 2/10/00

PERFORMANCE DATA

(If sufficient history exists, a	ttach plot of oil production	rate v time.)			
CUMULATIVE PRODUCT	ION TO	11/30/99	; 35,324	BBLS	
INITIAL RATE (qi)			454		
ECONOMIC LIMIT (qi)			30		
DECLINE RATE, dy		Hyperbolic d =	= 18.59% n = .98	_	
REMAINING OIL (Q) =		4	8,976	_	
ULTIMATE RECOVERABL	E OIL	8	4,300	_	
(Attach plat showing prorati	on unit and participating are	ea.)			
		ECC	NOMIC		
WELL COST \$	825,000 (to the dep	th 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	13,400	311,700	36,200	263,300	
2	8,600	204,700	29,600	152,100	
3	6,900	116,500	23,000	73,400	
4	5,800	136,300	24,600	79,900	
5	4,900	145,100	25,100	77,200	
6	4,100	104,900	22,200	48,200	
7	3,500	86,300	20,800	34,500	
8	3,100	73,400	19,800	25,500	
9	2,800	65,500	19,200	20,000	
10	2,500	59,300	18,800	15,800	
REMAINDER	28,600	683, 300	378,900	65,500	

WELL IS COMMERCIAL



DATE : 02/07/00
TIME : 13:37:27
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 42

			Z H	PUT D#	ATA				CAL	CULAT	ED DAT	A
ITEM	SCHEDULING RATES	G RATE		SCHEDULE UNTIL	UNTIL	PROCEDURE	1 1	ULTIMATE		EFF, DECL	INIT. RATE	FINAL RATE
05 START	11/99											
410 OIL 415 *	454.03 109.68	××	B/M B/M	11/2014 AD 18.67 IMU	AD IMU	H/0.980 EXP	18.59	72.424 91.093	10/14 3/40	18.59	454.	30.
20 GAS/OIL	3.97	5.00	0 M/B	01/2097	AD.	POOT	TIME		12/96			
425 WTR 430 **	125.00 24.89	××	B/M B/M	07/2015 3.48	AD IMU	H/0.995 EXP	52.55	9.438	6/15 4/33	22.55	125. 25.	25.
5 START	02/96											
516 PRI/OIL	16.8800	××	\$/B	1/96	MM/YY	D C	00.		3/40		16.880	
518 "	22.26	×	8/B	1/97	2 2	PC	00.		3/40		22.260	22.260
-	20.74	×	\$/B	1/98	AD.	PC	00.		12/97		20.740	20.740
520 "	14.43	×	\$/B	1/99	AD :	PC	00.		12/98		14.430	14.430
521 "	19.25	×	8/s	1/2000	d k	ט מ	00.		12/99		19.250	19.250
523 "	20.67	< ×	s/B	1/2001	2 2	ט נ	00.		12/00		24.940	24.940
	19.20	×	\$/B	1/2003	AD	PC	00.		12/02		19,200	19.200
525 "	18.18	×	\$/8	1/2004	AD	PC	00.		12/03		18.180	18.180
	18.13	×	\$/B	TO	LIFE	P.	00.		3/40		18.130	18.130
531 PRI/GAS	1.8900	×	W/\$	1/95	MW/XY	PC	00.		3/40		1.890	
	1.94	×	\$/W	1/96	AD	PC	00.		1/96		1.940	
k 1	2.61	× ;	W/\$	1/97	AD	PC	00.		12/96		2.610	2.610
	Z . 5 .	< >	Σ	1/98	AD.	J. 6	00.		12/97		2.590	2.590
	7.11	< >	E / C	4/17 0006/1	4	۲ ۾	3.6		12/28		2.110	2.110
1 7 K R	74.6	< >	E / V	1/2001	4	ָ בַ	00.		12/00		2.270	2.270
	9 0	: >	: ×	1/2002	5 5	ָ			10/61		000.0	000.7
	2.57	< ×	E X	17 2002 TO	LIFE	P. O.	00.		3/40		2.570	2.570
OPC/T	1190.00	×	W/\$	TO	LIFE	SCH	OPC		3/40		1190.000	1190.000
549 STX/OIL 554 STX/GAS	7.08	××	علو جن	0. 0.	LIFE	PC PC	00.		3/40		.071 .079	.071
9 ATX	.17	×	*	TO	LIFE	DG.	00.		3/40		.002	.002
564 PRI/OIL 569 PRI/GAS	9100 1300	9100	8/\$ 0 8/W	OT OT	LIFE	PC PC	00.		3/40		910 130	18.130
700 LSE/WI	100.0000	Ω	عد	TO	LIFE	FLAT	00.		3/40		1.000	1.000
701 OWN/WI	100.0000	Ω	مد	TO	LIFE	FLAT	00.		3/40		1.000	1.000
720 LSE/RIC	12.5000	Ω	مد	TO	LIFE	FLAT	00.		3/40		.125	.125
721 OWN/RI	0000.	Ω	*	10	LIFE	FLAT	00.		3/40			
740 LSE/RIG 760 LSE/ORR	12.5000	Q Q	من مين	OT OT	LIFE	FLAT	00		3/40		.125	.125
1		1)	:				2			

		E :	3 I	:	
		FINAL RATE	TOT. TELER ESC. TELER 825.0 825.0 -33.0 -33.0	3 6 1 1 1 1	
		INIT. RATE	. TEIER	:	
			TOT. TEIE.		
		EFF. DECL	RISK INV.		8
				<u> </u>	
(3/40	LAST 2/00 2/00 2/00	MONTH 2/96 3/40		отнек дил :
·		ULTIMATE 35.767 100.485 15.173	TOTAL T&I 825.000 -33.000		410
	00.			1 1 1 1	365. CD
	FLAT	PROCEDURE	PROCEDURE	ITEM	*600 DISC. FREQUENCY : 365. OWNER QUAL : CD
	LIFE	UNTIL	AD LIFE		2 1*600 DISC. OWNER
-	To	SCHEDULE UNTIL	TIME 02/96 TO	98.82	1*11 38*12 1*600 10.0 DISC CD A OWNES
	مد	\$ 2 2 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	31BLES 45G 45G	ITEM	FRAMES : AGE : QUAL :
	Ω	RATES	& INTANGIBL 495.00 M\$G		TIME FRAME PW %-AGE PROD QUAL
(0000.	SCHEDULING RATES P.OIL OIL # P.GAS GAS # P.WATER WTR #	TANGIBLES & INTANGIBLES 330.00 495.00 MSG -33.00 .00 MSG	METERS NO 3 35.32	un vo vo
	761 OWN/ORR	OVERLAYS 905 LOAD F 910 LOAD F 915 LOAD F	INVESTMENT	RESERVE PARAMETERS 201 LOSS NO 205 CUMO, MB 3	PROJECT ASSUMPTIONS BASE DATE: 2/9 P.W. DATE: 2/9 REPORT DATE: 2/9

DATE : 02/07/00
TIME : 13:37:27
DBS FILE : JRUPA
SETUD FILE : CD

DING 12/96 12/97 12/98 12/99 12/00 100 100 100 100 100 100 100 100 100	E C 0 2/96	2	,					
DING 12/96 12/97 12/98 12/96 12/97 12/98 12, M\$ 12, M\$ 12, M\$ 12, M\$ 12, M\$ 13, M\$ 13, M\$ 11, M\$ 12, M\$ 11, M\$ 12, M\$ 13, M\$ 14, M\$ 14, M\$ 14, M\$ 15, M\$ 16, M\$ 17, M\$ 18, M\$ 19, M\$ 10, M\$ 11, M\$ 11, M\$ 11, M\$ 11, M\$ 12, M\$ 13, M\$ 14, M\$ 14, M\$ 14, M\$ 15, M\$ 16, M\$ 17, M\$ 18, M\$ 18, M\$ 19, M\$ 19, M\$ 19, M\$ 19, M\$ 10, M\$ 11, M\$ 11, M\$ 11, M\$ 12, M\$ 13, M\$ 14, M\$ 14		: >	מ					
NG INTEREST, \$ 100.000 100.000 100.000	12/01	12/02	12/03	12/04	12/05	S TOT	AFTER	32.8 YR TOTAL
NG INTEREST, # 100.000 100.000 100.000 TS, M\$ TS, M\$ TOTAL OIL, MB TOTAL OIL, MB TINE, \$/B TOTAL OIL, MB TOTAL OOO OOO OOO OOO OON TOTAL TOTAL OOO OON OON OOO OON TOTAL TOTAL OOO OON TOTAL OOO OON TOTAL OOO OON TOTAL TOTAL OOO OON TOTAL OOO OOO OON TOTAL OOO OON TOTAL OOO OON TOTAL OOO OOO OON TOTAL OOO OOO OON TOTAL OOO OOO OON TOTAL OOO OOO OOO OOO OOO OOO O			; ; ;	! !		1 1 1 5 6	1	! ! !
TS, M\$ WED CAPITAL Y INVESTMENTS 825.0 .0 .0 .0 .0 .0 .0 .0 .0 .0	00.000 10		100.000 87.500	100.000	100.000 87.500	100.000	100.000	100.000
VENTER V								
TOTAL TOTAL OIL, MB OIL, OIL, MB OIL, OIL, OIL, OIL, OIL, OIL, OIL, OIL,	0.	٥.	٥.	0.	٠	0.	0.	0.
OIL, MB 13.4 8.6 6.9 5.8 4.9 10.7 MB 11.7 7.5 6.1 5.1 4.3 EVENUE, M\$ 250.1 149.3 82.0 93.6 103.8 RICE, \$/B 11.7 7.5 6.1 5.1 4.3 11.7 7.5 6.1 5.1 4.3 11.7 7.5 6.1 5.1 4.3 11.7 7.5 6.1 5.1 4.3 11.7 7.5 6.1 5.1 4.3 11.7 7.5 6.1 5.1 4.3 11.7 7.5 6.1 5.1 4.3 11.7 7.5 6.1 5.1 4.3 11.7 7.5 6.1 5.1 10.1 10.1 10.1 10.1 10.1 10.1 10.	0.	0.	0.	0.	٠	825.0	-33.0	792.0
OIL, MB OIL	o o	o o	o o	o. o.	o o	.0 825.0	.0	792.0
Strict S								
GAS, MMF GAS, MMF SEVENUE, M\$	-	י					a (,
BVENUE, M\$ 250.1 149.3 82.0 93.8 103.8 RICE, \$/B 21.35 19.83 13.52 18.34 24.03 1 GAS, MMF 24.9 22.5 17.4 20.1 16.7 EVERUE, M\$ 61.6 55.5 34.5 43.1 41.2 RICE, \$/MCF 2.480 2.460 1.980 2.140 2.470 2	3.6	n n	2.7	2 7	0.2	48.7	28.6	77.3
GAS, MMF GAS, MMF GAS, MMF AS,	70.2	56.3	46.9				431.6	1363.5
FF 28.4 25.8 19.9 23.0 19.1 16.7 24.9 22.5 17.4 20.1 16.7 24.9 22.5 17.4 20.1 16.7 24.9 22.5 17.4 20.1 16.7 24.9 22.5 17.4 20.1 16.7 16.7 24.8 2.480 2.460 1.980 2.140 2.470 2.470 2.480 2.480 2.040 0.0000 0.000	9.76	18.29	17.27	-	_	19.13	17.22	18.48
28.4 25.8 19.9 23.0 19.1 24.9 24.9 22.5 17.4 20.1 16.7 61.6 55.5 34.5 43.1 16.7 2.480 2.460 1.980 2.140 2.470 2.470 2.480 2.460 1.980 2.140 2.470 2.470 2.480 2.460 1.980 2.140 2.470 2.470 2.480 2.460 1.980 2.140 2.470 2.470 2.400 .000 .000 .000 .000 .000 .000 .0								
MMP 28.4 25.8 19.9 23.0 19.1 IF 24.9 22.5 17.4 20.1 16.7 \$ MGF 24.9 22.5 17.4 20.1 16.7 \$ J.MCF 2.480 2.460 1.980 2.140 2.470 2.470 \$ J.MCF 2.480 2.460 1.980 2.140 2.470 2.470 \$ J.MCF 2.480 2.460 1.980 2.140 2.470 \$ J.S 1.7 1.5 4.1 1.4 B J.S 1.7 1.5 4.1 1.4 TO INTR. 311.7 204.7 116.5 136.9 145.1 1 TO INTR 22.6 15.0 8.5 10.1 10.6 B J.O. 0 0 0 0 0 TO 0 0								
\$\frac{1}{5}\text{MS}\$ \text{G1.6} \text{55.5} \text{34.5} \text{43.1} \text{15.7} \text{55.5} \text{34.5} \text{43.1} \text{16.7} \text{24.00} \text{2.460} \text{1.980} \text{2.140} \text{2.470} \text{2.470} \text{2.470} \text{2.470} \text{2.470} \text{2.470} \text{2.470} \text{2.470} \text{2.470} \qu	16.2	14.1	12.4		τ.	180.0	117.9	297.9
\$\frac{1}{5}\text{MCF}\$ \$\frac	7.77	£ . 6	10.7		(157.5	103.2	260.7
ER, MB 7.5 1.7 1.5 4.1 1.4 CE, \$/B .000 .000 .000 .000 .000 TO INTR. 311.7 204.7 116.5 136.9 145.1 1 X 22.6 15.0 8.5 10.1 10.6 REM TAX .5 .3 .2 .2 .2 NG COSTS 13.1 14.3 14.3 14.3 14.3 14.3 REPAYMENT .0 .0 .0 .0 .0 .0 ED - PAID .0 .0 .0 .0 .0 ED - PAID .0 .0 .0 .0 .0 ED - FAID .0 .0 .0 .0 .0 .0 ED - FAID .0 .0 .0 .0 .0 .0 ED - FAID .0 .0 .0 .0 .0 .0 .0 ED - FAID .0 .0 .0 .0 .0 .0 .0 ED - FAID .0 .0 .0 .0 .0 .0 .0 .0 ED - FAID .0 .0 .0 .0 .0 .0 .0 .0 .0 ED - FAID .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 ED - FAID .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 ED - FAID .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2.450	2.440	2.440	2.440	2.440	2.364	251.7	624.1 2.394
ER, MB 7.5 1.7 1.5 4.1 1.4 CE, \$/B .000 .000 .000 .000 .000 .000 TO INTR. 311.7 204.7 116.5 136.9 145.1 1.2 K X X X 22.6 15.0 8.5 10.1 10.6 REM TAX .5 .3 .2 .2 .2 NG COSTS 13.1 14.3 14.3 14.3 14.3 14.3 REPAYMENT .0 .0 .0 .0 .0 ED - PAID .0 .0 .0 .0 .0 ED - PAID .0 .0 .0 .0 .0 ED - PAID .0 .0 .0 .0 .0 .0 ED - PAID .0 .0 .0 .0 .0 .0 ED - PAID .0 .0 .0 .0 .0 .0 .0 ED - PAID .0 .0 .0 .0 .0 .0 .0 .0 ED - PAID .0 .0 .0 .0 .0 .0 .0 .0 .0 ED - PAID .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 ED - PAID .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0								
CE, \$/B	1.1	6.	89,	۲.	9.	20.2	3.9	24.1
CE, \$/B .000 .000 .000 .000 .000 .000 .000 .0	1.1	6.	ω.	7.	9.	20.2	3.9	24.1
X TO INTR. 311.7 204.7 116.5 136.9 145.1 1 X	000.	000.	000.	000.	000.	000.	000 -	000.
311.7 204.7 116.5 136.9 145.1 1 22.6 15.0 8.5 10.1 10.6 .5 .3 .2 .2 .2 .3 .13 .1 .2 .2 .3 .2 .2 .2 .3 .2 .2 .2 .3 .2 .2 .2 .2 .3 .13 .1 .1 .3 .1 .3 .3 .4 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3								
22.6 15.0 8.5 10.1 10.6 13.1 14.3 14.3 14.3 14.3 10.0 0.0 0.0 0.0 275.6 175.2 93.5 112.4 119.9 825.0 0.0 0.0 -549.4 175.2 93.5 112.4 119.9	104.9	86.3	73.4	v	59.3	13	683.3	1987.7
13.1 14.3 14.3 14.3 14.3 14.3 14.3 10.0	7.7	6.4	5.4		4.4	95.5	50.5	146.0
T 14.3 14.3 14.3 14.3 14.3 14.3 14.3	7	۲.			۲.		1.1	3.1
275.6 175.2 93.5 112.4 119.9 825.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	14.3	14.3	14.3	_	14.3	141.	327.3	468.9
275.6 175.2 93.5 112.4 119.9 825.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	o. (o. '	o. '		0.	•	0.	0.
275.6 175.2 93.5 112.4 119.9 825.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .					0.0	•	0.	o. (
275.6 175.2 93.5 112.4 119.9 825.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	. 0	? 0.	? 0		. 0	9.0		. c
825.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	82.8	65.5	53.6	46.3	40.5	1065.	304.5	1369.7
-549.4 175.2 93.5 112.4 119.9 263.3 152.1 73.4 79.9 77.2	٥.	٥.	٥.		0.		-33.0	792.0
263.3 152.1 73.4 79.9 77.2	82.8	65.5	53.6	4	40.5	240.2	337.5	577.7
263.3 152.1 73.4 79.9 77.2								
203:3 132:1 /3:4 /9:9 //.2			4	ć	,	0	i 1	1
0.	2. 8 2. 0	5. 6. C. O.	25.5	20.0		789.9	65.5	855.4
0. 0. 0. 0. 0. 0. 0.035 0. 0. 0. 0. 0. 0. 0.035	, c	. v	הינ		0. 95	0.00	7.1.	823.0
NET -551.7 -400 6 -336 2 -366 3 -176 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	48.2	34.5	25.5	20.0	15.8	-35.1	9.99	31.6

AFTER TAX ECONOMICS

DATE : 02/07/00
TIME : 13:37:27
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 42

!

				EFFEC	EFFECTIVE DATE	3: 2/96							9
PERIOD ENDING	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	12/04	12/05	s rot	AFTER	TOTAL
OF INV	TENTS, M\$! ! ! !					1					1 1 1 1 1	t t i i i
EXP, RISK & CAP	INT 495.0	0.	0.	0,	0,	0.	0	0.	0.	٥.	495.0	0.	495.0
	0.	۰.	o. (۰.	۰.	o. 6	o. «	o. (o. '	۰, ۰	0.		0.
3) DEPRECIABLE	330.0	э <u>.</u>	0.	٥.	0.	o.	о .	o.	·.	0.	330.0	-33.0	297.0
TAX CALCULATIONS, M\$													
4) GROSS REV. TO INTR.	311.7	204.7	116.5	136.9	145.1	104.9	86.3	73.4	65.5	59.3	1304.4	683.3	1987.7
5) - SEVERANCE TAX	22.6	15.0	. S	10.1	10.6	7.7	6.4	5.4	4.8	4.4	95.5	50.5	146.0
1	0.	٥.	°.	٥.	٥.	٥.	٥.	۰.	٥.	٥.	0.	٥.	0.
ı	13.6	14.6	14.5	14.5	14.5	14.4	14.4	14.4	14.4	14.4	143.7	328.3	472.0
8) + NPI OWNED - PAID	٥.	°.	o.	٥.	٥.	٥.	٥.	0.	٥.	٥.	0.	٥.	0.
,	٥.	°.	o.	٥.	٥.	٥.	٥.	٥.	٥.	٥.	٥.	٥.	0.
ı	495.0	٥.	0.	٥.	0.	٥.	0.	٥.	٥.	٥.	495.0	٥.	495.0
•	43.2	78.0	59.6	42.6	30.4	29.5	29.5	17.2	٥.	0.	330.0	0.	330.0
Ħ	-262.6	97.2	33.8	8.69	89.5	53,3	36.1	36.4	46.3	40.5	240.5	304.5	544.7
	o. '	o. •	o. •	o. •	o. «	0. 9	0.	o. '	٥.	0.	0. 1	0	0.
14) - INTEREST PD & CAP	0.00	9.6	9.6	0.0	٠. د	<u>ء</u> د	٥. د	٠.	٠,	0.0	0.6	o .	0.
* IAAABLE	0.2021	2.16	9 0	0 C	0 r	9 0	1.00	4.0	10.1		2.042	304.5	544.7
16) * IAA KATE, *	35.0	0.05	30.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
									,				· ·
_	-91.9	34.0	11.8	24.4	31.3	18.7	12.6	12.7	16.2	14.2	84.1	106.6	9.061
20) REVENUE-SEV-WPT	289.1	189.8	107.9	126.9	134.5	97.2	6.62	68.0	60.7	9.	1208.9	632.8	1841 7
	13.6	14.6	14.5	14.5	14.5	14.4	14.4	14.4	14.4	14.4	143.7	328.3	472.0
	٥.	0.	٥.	٥.	0.	0.	0.	0.	0.	0.	0.	0.	0.
23) - F.I.T.	-91.9	34.0	11.8	24.4	31.3	18.7	12.6	12.7	16.2	14.2	84.1	106.6	190.6
Ħ	367.5	141.2	81.6	87.9	88.6	64.1	52.9	40.8	30.1	26.3	981.1	197.9	1179.0
•	٥.	٥.	0.	٥.	٥.	0.	0.	0.	0.	0.	٥.	0.	0.
	٥.	0.	٥.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
27) - NET INCOME	367.5	141.2	81.6	87.9	9.88	64.1	52.9	40.8	30.1	26.3	981.1	197.9	1179.0
28) - INVESTMENTS & RSK	825.0	0.	0.	0.	0.	0.	0.	٥.	٥.	٥.	825.0	-33.0	792.0
29) = A.F.I.T. NET	-457.5	141.2	81.6	87.9	88.6	64.1	52.9	40.8	30.1	26.3	156.1	230.9	387.0
PRESENT WORTH @ 10.00 %													
	351.1	122.6	64.1	62.5	57.0	37.3	27.9	19.5	13.0	10.3	765.3	42.6	807.9
	825.0	٥.	0.	٥.	٥.	0.	0.	٥.	٥.	۰.	825.0	-1.2	823.8
	-473.9	122.6	64.1	62.5	57.0	37.3	27.9	19.5	13.0	10.3	-59.7	43.8	-15.9
33) CUM. A.F.I.T. NET	-473.9	-351.3	-287.2	-224.6	-167.6	-130.3	-102.4	-83.0	-70.0	-59.7	-59.7	-15.9	-15.9

ECONOMIC INDICATORS

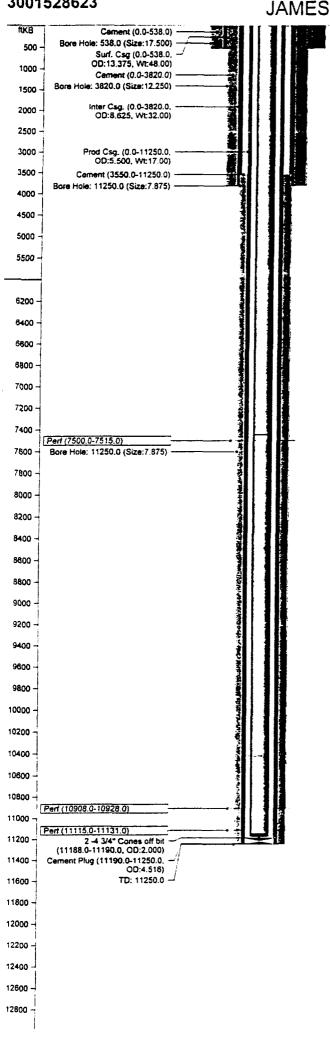
AS OF DATE: 2/96

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

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

	595.432	376,155	173.144	124.325	44.054	-19.658	-214.401	-319.236	-387.187	-435.750	-472.706	-502.106	-526.279	-546.662	564.190					
	59	37	17	12	4	-1	-21	-31	-38	-43	-47	-50	-52	-54	-56					
	387 031	264,043	130.775	695.56	34.847	-15.900	-184.879	-284.118	-351,370	-400.789	-439.118	-470.025	-495.691	-517.495	-536.352	9.4	5.82	32.83	1.49	86.
BONUS TABLE	577.662	410.032	228.624	180.962	99.253	31.628	-186.835	-308.548	-387.528	-443.460	-485.440	-518.303	-544.865	-566.880	-585.496	11.4	YRS. 5.50	ks. 13.54	ssr. 1.73	r. 1.04
KAIE-OF-KETUKN VS. BC	.0	2.	č,	.9	. 80	10.	20.	30.	40.	50.	.09	70.	.08	.06	100.	RATE OF RETURN, PCT.	UNDISCOUNTED PAYOUT,	DISCOUNTED PAYOUT, YRS	UNDISCOUNTED NET/INVEST.	DISCOUNTED NET/INVEST.

DATE : 02/07/00
TIME : 13:37:27
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 42



JAMES RANCI API No.	300152		Stati	JS	ï	ACT C)][
TD	11250.0			neer	<u>. </u>	KAA	
PBTD	11190.0		<u> </u>	11001	+		
Operator	BEP(Pern	nit			
Well No.	16		Spuc			12/31/	95
ID Code			RR			1/17/9	
Field	Los Med	ianos		pletion	-	3/9/9	
	(Delaw			•	•	J. 57 51	-
Author	RAS		Last	Act.			
Date Updated	12/22			doned			
Comments	Drilled by	Enron					
Location		-					
Township	SO)22	Top	atitude			
			Top I	ongitude		o	
Range	E	030	Top I	VS Distan	ce	1980.0	
			Top I	EW Distar	псе	330.0	
Section	3	36	Botto	m Latitud	e	0	
Unit Ltr.		H	Botto	m Longiti	ıde	0	
State	NEW N	1EXICO	8tm /	VS Distan	ce	0.0	ft
County		ΡΟΥ	Btm (EW Distar	nce	0.0	
Elevations							-
KB	333	1.5 ft	Cas	Ing	:	0.0	ft
Grd		3.0 ft	Tub H			0.0	
KB-Grd	18.	5 ft					
Casing String -							
tem	Top		nts	ID	Wt	Grd .	Thd
in)	(ftKB) (ftKB)			1		
13 3/8 in Surf.	0.0	538.0	11!	12.715	48.00	H-40	STC
Csg			1			•!	
Casing String -	Intermed	diate Ca	sina				
tem			nts	ID	Wt	Grd	Thd
in)	(ftKB) (1		
5/8 in Inter Csg.	0.0 3	820.0	85:	7.920	32.00	J-55	STC
Casing String -							
tem			nts	ID	Wt	Grd	Thd
in)	·(ftKB) (f		,			J. J	
1/2 in Prod Csg.		250.0		4.890	17.00		
Casing Cement							
Casing String		р А	mount		Com	ments	
Jeaning Junity	(ftK	(B)	(sx)	1	J0111		
Surface Casing	71614	0.0	390) .			
ntermediate Casin	ıa	0.0	3159				
roduction Casing	35	50.0		TOC by	Temp	Sur.	
ubing String -	Primary					-	-
em	Тор		Jnts :	ID .	Wt	Grd	Tho
in)	(ftKB)	(ftKB)		(in)	-		1
		<u> </u>		2.441	6.50	N-80	8ra
***	0.0	7445.0	224				
7/8 in Tbg.		7445.0		0.000	0.00		
7/8 in Tbg. 7/8 in TAC	0.0	7448.0	113		0.00		8rd
7/8 in Tbg. 7/8 in TAC 7/8 in Tbg.	0.0 7445.0	7448.0 11145.0		0.000		N-80	8rd
7/8 in Tbg. 7/8 in TAC 7/8 in Tbg. 7/8 in SN	0.0 7445.0 7448.0 11145.0 11146.0	7448.0 11145.0 11146.0 11150.0		0.000	0.00	N-80	8rd
7/8 in Tbg. 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in PS	0.0 7445.0 7448.0 11145.0 11146.0	7448.0 11145.0 11146.0 11150.0		0.000 0.000 0.000	0.00	N-80	8rd
7/8 in Tbg. 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in SN 7/8 in PS 7/8 in MA	0.0 7445.0 7448.0 11145.0 11146.0 11150.0	7448.0 11145.0 11146.0 11150.0 11182.0	113	0.000 0.000 0.000 0.000	0.00 0.00 0.00	N-80	8rd
7/8 in Tbg. 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ed	0.0 7445.0 7448.0 11145.0 11146.0 11150.0	7448.0 11145.0 11146.0 11150.0 11182.0	113	0.000 0.000 0.000 0.000	0.00 0.00 0.00	N-80	8rd
7/8 in Tbg. 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in SN 7/8 in PS 7/8 in MA	0.0 7445.0 7448.0 11145.0 11146.0 11150.0	7448.0 11145.0 11146.0 11150.0 11182.0	113	0.000 0.000 0.000 0.000	0.00 0.00 0.00	N-80	8rd
7/8 in Tbg. 7/8 in Tbg. 7/8 in Tbg. 7/8 in Tbg. 7/8 in SN 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ed) Date	0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc	7448.0 11145.0 11146.0 11150.0 11182.0	113	0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00	N-80 Int (ftKB)	
7/8 in Tbg. 7/8 in Tbg. 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ed Date 1/17/96 Cer	0.0 7445.0 7448.0 11145.0 11146.0 11150.0	7448.0 11145.0 11146.0 11150.0 11182.0	113	0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00	N-80	
7/8 in Tbg. 7/8 in Tbg. 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ed Date 1/17/96 Cer Cerforations	0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc	7448.0 11145.0 11146.0 11150.0 11182.0) - Pluc	113	0.000 0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00	Int (ftKB) 0.0 - 11	25 0.0
7/8 in Tbg. 7/8 in Tbg. 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ed Date 1/17/96 Cer	0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc	7448.0 11145.0 11146.0 11150.0 11182.0	113	0.000 0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00 1119	N-80 Int (ftKB)	25 0.0
7/8 in Tbg. 7/8 in TAC 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ed Date 1/17/96 Cer erforations Date	0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc	7448.0 11145.0 11146.0 11150.0 11182.0) - Pluc Item	113 Back	0.000 0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00 11119	Int (ftKB) 0.0 - 11	25 0.0
7/8 in Tbg. 7/8 in TAC 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ec Date 1/17/96 Cer erforations Date 1/26/96	0.0 7445.0 7448.0 11145.0 11150.0 quip., etc	7448.0 11145.0 11146.0 11150.0 11182.0 .) - Pluc Item	113 3 Back	0.000 0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00 11119 nots (ft)	Int (ftKB) 0.0 - 11	25 0.0
7/8 in Tbg. 7/8 in TAC 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ec Date 1/17/96 Cer erforations Date 1/26/96 2/2/96	0.0 7445.0 7448.0 11145.0 11150.0 quip., etc	7448.0 11145.0 11146.0 11150.0 11182.0 .) - Plug Item	113 Back 31.0 28.0	0.000 0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00 11119 nots (ft) 2.0	Int (ftKB) 0.0 - 11	25 0.0
7/8 in Tbg. 7/8 in Tbg. 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ec Date 1/17/96 Cer erforations Date 1/26/96 2/2/96 2/8/96	0.0 7445.0 7448.0 11145.0 11150.0 quip., etc	7448.0 11145.0 11146.0 11150.0 11182.0 .) - Plug Item Int 5.0 - 111 8.0 - 109	113 Back 31.0 28.0	0.000 0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00 11119 nots (ft)	Int (ftKB) 0.0 - 11	25 0.0
7/8 in Tbg. 7/8 in TAC 7/8 in TAC 7/8 in TAC 7/8 in SN 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ec Date 1/17/96 Cer erforations Date 1/26/96 2/2/96 2/8/96 timulations &	0.0 7445.0 7448.0 11145.0 11150.0 quip., etc	7448.0 11145.0 11146.0 11150.0 11182.0 .) - Plug Item Int 5.0 - 111 8.0 - 109 0.0 - 751	113 Back 31.0 28.0	0.000 0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00 1119 10ts (ft) 2.0 4 (Int (ftKB) 0.0 - 11 Status	250.0 s
7/8 in Tbg. 7/8 in Tbg. 7/8 in TAC 7/8 in TAC 7/8 in SN 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ed 1/17/96 Cer erforations Date 1/26/96 2/2/96 2/8/96 timulations & Other Type	0.0 7445.0 7448.0 11145.0 11150.0 quip., etc ment Plug 1111 1090 750	7448.0 11145.0 11146.0 11150.0 11182.0 .) - Pluc Item 5.0 - 111 8.0 - 109 0.0 - 751 its	113 Back 31.0 28.0	0.000 0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00 11119 nots (ft) 2.0	Int (ftKB) 0.0 - 11 Status	25 0.0
7/8 in Tbg. 7/8 in Tbg. 7/8 in TAC 7/8 in TAC 7/8 in SN 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ed 1/17/96 Cer erforations Date 1/26/96 2/2/96 2/8/96 timulations & Other Type	0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc nent Plug 1111 1090 750 Treatmer	7448.0 11145.0 11146.0 11150.0 11182.0 .) - Plug Item Int 5.0 - 111 8.0 - 109 0.0 - 751 its interval	113 Back 31.0 28.0	0.000 0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00 1119 10ts (ft) 2.0 4 (Int (ftKB) 0.0 - 11 Status	250.0 s
7/8 in Tbg. 7/8 in Tbg. 7/8 in TAC 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in SN 7/8 in MA Other (plugs, ed) 1/17/96 Cer erforations Date 1/26/96 2/2/96 2/8/96 timulations & Date Type 30/96; Sand Frac	0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc nent Plug 1111 1090 750 Treatmer	7448.0 11145.0 11146.0 11150.0 11182.0 .) - Plug Item 5.0 - 111 8.0 - 109 0.0 - 751 its interval 1115.0 - 1131.0	113 Back 31.0 28.0	0.000 0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00 1119 10ts (ft) 2.0 4 (Int (ftKB) 0.0 - 11 Status	250.0 s
7/8 in Tbg. 7/8 in Tbg. 7/8 in TAC 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in SN 7/8 in MA Other (plugs, ed) 1/17/96 Cer erforations Date 1/26/96 2/2/96 2/8/96 timulations & Date Type 30/96; Sand Frac	0.0 7445.0 7448.0 11145.0 11146.0 11150.0 11150.0 11150.0 11150.0 11111 1090 750 Treatmer	7448.0 11145.0 11146.0 11150.0 11182.0 .) - Plug Item 5.0 - 111 8.0 - 109 0.0 - 751 1ts nterval 1115.0 - 1131.0 1908.0 -	113 Back 31.0 28.0	0.000 0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00 1119 10ts (ft) 2.0 4 (Int (ftKB) 0.0 - 11 Status	250.0 s
7/8 in Tbg. 7/8 in Tbg. 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ec Date 1/17/96 Cer erforations Date 1/26/96 2/2/96 2/8/96 timulations & Date Type 30/96 Sand Frac	0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc nent Plug 1111 1090 750 Treatmer	7448.0 11145.0 11146.0 11150.0 11182.0 11182.0 Item Int 5.0 - 111 8.0 - 109 0.0 - 751 Its Ints	31.0 28.0 5.0	0.000 0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00 1119 10ts (ft) 2.0 4 (Int (ftKB) 0.0 - 11 Status	250.0 s
7/8 in Tbg. 7/8 in Tbg. 7/8 in TAC 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ec Date 1/17/96 Cer erforations Date 1/26/96 2/2/96 2/8/96 timulations & Date Type 30/96 Sand Frac //3/96 Sand Frac	0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc nent Plug 1111 1090 750 Treatmer 1 1 1 7500	7448.0 11145.0 11146.0 11150.0 11182.0 .) - Plug Item 5.0 - 111 8.0 - 109 0.0 - 751 1ts nterval 1115.0 - 1131.0 1908.0 -	31.0 28.0 5.0	0.000 0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00 1119 10ts (ft) 2.0 4 (Int (ftKB) 0.0 - 11 Status	250.0 s
7/8 in Tbg. 7/8 in Tbg. 7/8 in TAC 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ed) 1/17/96 Cer 1/17/96 Cer 1/126/96 2/2/96 2/8/96 2/8/96 timulations & Date 1/396 Sand Frac 10/96 Sand Frac 10/96 Sand Frac	0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc nent Plug 1111 1090 750 Treatmer II 10 17500 ish	7448.0 11145.0 11146.0 11150.0 11182.0 11182.0 Item Int 5.0 - 111 8.0 - 109 0.0 - 751 Its Interval 1115.0 - 1131.0 10908.0 - 0928.0 .0 - 7515	31.0 28.0 5.0	0.000 0.000 0.000 0.000 0.000 0.000	0.00 0.00 0.00 0.00 11119 nots /ft) 2.0 4 (Int (ftKB) 0.0 - 11 Status	250.0 s
7/8 in Tbg. 7/8 in Tbg. 7/8 in TAC 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ed) 1/17/96 Cer 1/17/96 Cer 1/126/96 2/2/96 2/8/96 2/8/96 timulations & Date 1/26/96 Sand Frac 1/3/96 Sand Frac 10/96 Sand Frac 10/96 Sand Frac	0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc nent Plug 1111 1090 750 Treatmer II 10 17500 ish	7448.0 11145.0 11146.0 11150.0 11182.0 11182.0 .) - Pluc Item Int 5.0 - 111 8.0 - 109 0.0 - 751 115.0 - 1131.0 0908.0 - 0928.0	31.0 28.0 5.0	0.000 0.000 0.000 0.000 0.000 C	0.00 0.00 0.00 0.00 11119 nots /ft) 2.0 4 (Int (ftKB) 0.0 - 11 Status	250.0 s
7/8 in Tbg. 7/8 in Tbg. 7/8 in TAC 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ed) 1/17/96 Cer 1/17/96 Cer 1/126/96 2/2/96 2/8/96 timulations & Date 1/26/96 Sand Frac 1/3/96 Sand Frac 10/96 Sand Frac 10/96 Sand Frac 10/96 Sand Frac 10/96 Sand Frac 11/96 Sand Frac	0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc nent Plug 1111 1090 750 Treatmer 1 10 1 7500 ish	7448.0 11145.0 11146.0 11150.0 11182.0 .) - Plug Item 5.0 - 111 8.0 - 109 0.0 - 751 115.0 - 1131.0 10908.0 - 0928.0 .0 - 7515	31.0 28.0 5.0	0.000 0.000 0.000 0.000 0.000 (S	0.00 0.00 0.00 0.00 11119 nots /ft) 2.0 4 (Int (ftKB) 0.0 - 11 Status	250.0 s
7/8 in Tbg. 7/8 in Tbg. 7/8 in TAC 7/8 in TAC 7/8 in Tbg. 7/8 in SN 7/8 in PS 7/8 in MA Other (plugs, ed) 1/17/96 Cer 1/17/96 Cer 1/126/96 2/2/96 2/8/96 2/8/96 timulations & Date 1/396 Sand Frac 10/96 Sand Frac 10/96 Sand Frac	0.0 7445.0 7448.0 11145.0 11146.0 11150.0 quip., etc nent Plug 1111 1090 750 Treatmer 1 10 1 7500 ish	7448.0 11145.0 11146.0 11150.0 11182.0 .) - Plug Item 5.0 - 111 8.0 - 109 0.0 - 751 115.0 - 1131.0 10908.0 - 0928.0 .0 - 7515	31.0 28.0 5.0	0.000 0.000 0.000 0.000 0.000 C	0.00 0.00 0.00 0.00 11119 nots /ft) 2.0 4 (Int (ftKB) 0.0 - 11 Status	250.0 s

WELL HISTORY

WELL NAME:

JAMES RANCH UNIT #16

FIELD NAME:

LOS MEDANOS

LOCATION:

1980' FNL & 330' FEL SEC 36, T22S, R30E EDD CO. NM

ELEV:

3313' GL

SPUD DATE:

12/31/95

COMP DATE:

3/9/96

ORIG TD:

11,250'

ORIG PETD:

11,190'

CASING:

13 3/8", 48#, CSA 538', CMT W/390 SXS, CMT CIRC TO SURFACE 8 5/8", 32%, CSA 3820', CMT W/3159 SXS, CMT CIRC TO SURFACE 5 4", 17% CSA 11,250', CMT W/1650 SXS, TOC @ 3550'(TEMP SUR)

TUBING:

2 7/8" TBG @ 11, 172'

DST:

NONE

CORES & LOGS:

28 SIDEWALL CORES (1/16/96)

LOGS ??

INITIAL COMPLETION

1/26/96 TO 2/2/96 PERF, ACIDIZE & FRAC WOLFCAMP

Perf 11,115-11,131 (16'-2SPF @ 60° phasing). Acidize w/1500 gals 15% HCL. Frac w/53,000 gals Sprectra Frac G-4000 + 301,000 # 20/40 Ottawa sand + 20,350# 20/40 Econoprop. SI 4 hrs for break, flow back well 3 days.

2-3-96 TO 2-7-96 PERF, ACIDIZE & FRAC 3RD BONE SPRING

Tagged sand plug @ 11,006', tested to 4000# using methanol, no Perf- Bone Spring Fm @ 10,908-28' (20'-40 shots). Acidize w/1000 gals 15% HCL. Frac w/48,000 gals Sprectra Frac G-4000 + 350,000# 20/40 sand + 30,000# 20/40 Econoprop. Flow well back 5 days.

2-8-96 TO 2-11-96 PERF, ACIDIZE & FRAC DELAWARE (BRUSHY CANYON "V" SAND)

Set CIBP @ 10,796', tested to 4000#. Perf 7500-15' (15' 61 SHOTS $0^{\rm o}$ phasing. Acidized w/2,000 gals 15% HCL. Frac w/24,500 gals Spectra-Frac G-3000 + 52,000# 20/40 Brady sand + 20,000# 20/40 ACFRAC CR-4000 (RCS). Flow well back, well died, swabbed well.

WELL HISTORY
JAMES RANCH UNIT #16
PAGE 2

2-23-96 RU Apollo Wireline, run after frac survey. RD, left flowing, 77 BO, 36 BW on 64/64" ck., 10 psi FTP.

2-27-96 to 3-6-96 Attempt to put on Artificial Lift

Attempt to run tbg, rods and pump. Parted tbg and had to fish. Caught fish & LD. Well KO & flowed.

3-8-96 to 3-12-96 Drill Out CIBP and Commingle Wolfcamp, Bone Spring & Delaware Perfs

Drilled CIBP @ 10,796. Top sand plug @ 11,006, wash and rotate, chased CIBP to 11,095'. Drilled CIBP, wsh & rotate to 11,190', circ hole clean. Left well flowing 2 days. POH w/BHA, lost 2 cones off 4 $\frac{1}{2}$ " bit. RIH w 226 jts 2 7/8", 6.5 $\frac{1}{2}$, N-80 tbg, @ 7411'. RIH w/ rods, POH & LD rods. Left well 'flowing.

3-24-96 RIH w/rods and pump. Hung well on production.

4-12-96 TO 4-18-96 MIRU PU, TOH w/rods & pump. TOH w/112 jts 2 7/8" tbg, PU TAC & TIH w/tbg. PU additional 112 jts. 2 7/8" 6.5# N-80 tbg, total 337 jts. SN landed @ 11,145' KB. RIH w/rods and pump. Start well pumping. Well is pumping 120 BOPD, 250 MCFPD, 64 BWPD.

p 0. dox 1980 Hopbs, NM 88241-1980

Energy,

Lerais, and Natural Resources Depart. .nt

natructions on back

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

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

DISTRICT III
P. O. Rio Brazos Rd.
A. S. NM 87410

OIL CONSERVATION DIVISION P. 0. Box 2088 Santa Fe, New Mexico 87504-2088

__ AMENDED REPORT

<u>DISTRICT IV</u> P. O. Box 2088 Santa ^Se, NM 87507—2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

Property Code ** Property Name** JAMES RANCH UNIT ** Property Code** ** Property Cod	1 API Number			2 Pagi Code		3 Pos	i Name							·
JAMES RANCH UNIT Common Companies Name Companies N	4 Property Co.	de	1º Property N	awe.									1 4 Wall Vumber	
ENRUN UIL & GAS CUMPANY "SURFACE LOCATION It are not not not not not not not continue to the last, n.m.p.m. last last Prest from the North/South line Feet from the East/Vert line County "BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE It are not	- Property Co.	4-	opercy	-me	ال	AMES	RANCH	UN	IT				1	•
"SURFACE LOCATION It or int no. Section Township Range Lot lide Feet from the North/South line Feet from the East/vert line County 1980" NORTH 330" EAST 2DDY "BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE The or int no. Section Township Range Lot lide Feet from the North/South line Feet from the East/vert line County Dedicated Acres of Joint or India Commendation Code County Research Consolidation Toler Consolidation Toler Consolidation Code County NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT BAS BEEN APPROVED BY THE DIVISION OPPRATOR CERTIFICATION Interest of the County Interest of	OGREE No.		* Operator N	ame) FTT1	• 645		MDAN	<u> </u>			1	
Ray of the too Section Township Range Lot like Feet from the North/South line Feet from the Zamt/West line County 1860' NORTH 330' EAST EDDY "BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE Lot like Feet from the North/South Line Feet from the East/West Line County Bediested agree of ions of Intill "Composition Code "Order No. NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION Interpretation of the information contained from its low and camplete in the best of my innoverage and belief.										T			3316	
"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE The riot no. Section Township Bange Lat ide Peet from the North/South line Feet from the East/Vest line County Dedicated acres Section Township Bange Lat ide Peet from the North/South line Feet from the East/Vest line County NO ALLOWABLE WELL 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 carrify that the information candinged nears is true and camplete to the best of my inswedge and beied. SIGNALIFE Printed Name Title Date of Survey carrify that the well location shown on this pidt was parted from fidel nates of actual stay and camplete and camplete from the stay of the set of the best of my supervision, and that the south of the set of survey supervision, and that the set of survey of correct to the best of my supervision, and that the set of survey of correct to the best of my supervision, and that the set of survey of correct to the best of my supervision, and that the set of survey of correct to the best of my supervision. The property of the set of survey of sur														
"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE It or lat no. Section Township Sange Lat like Feet from the North/South Under Feet from the Past/Vest line County Dedicated Acres 13 feats or Intill 14 Commission Code 14 Great No. NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION OPERATOR CERTIFICATION 1 Internal Contained herein is true and complete to the deat of my innewedge and belied. Signature Printed Name Title Date SURVEYOR CERTIFICATION 1 Internal County I			1 -			1	I						,	-
Deticated acres 10 lount or Infill 14 Consolidation Code 14 Order No. NO ALLOWABLE WELL 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 cartify that the information contained herem is true and complete to the best of my knowledge and belief. Signature Printed Name Title Data SURVEYOR CERTIFICATION Arreby cartify that the well location shown on this pair was located 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. Data of Survey of my belief. D						<u> </u>	ותיתות	ותקי	איז יינע	ow s	TIREACE	,	<u> </u>	
Dedicated Acres 3 James or Instill 1st Composition Code 1st Completion until all interests have been consolidated or a non-standard unit has been approved by the division operation of the information contained herein is true and complete to the best of my knowledge and belief. Signature 1980' Frinted Name Title Date SURVEYOR CERTIFICATION I hereby certify that the well location shown on this pick was solded for the same is true and correct to the best of my belief. Date of Survey made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Correct to the best of my belief. Date of Survey Correct to the best of my belief. Date of Survey Correct to the best of my belief. Date of Survey Correct to the best of my belief. Date of Survey Correct to the best of my belief. Date of Survey Correct to the best of my belief. Date of Survey Correct to the best of my belief. Date of Survey Correct to the best of my belief. Date of Survey Correct to the best of my belief. Signature that the same is true and correct to the best of my belief. Date of Survey Correct to the best of my belief. Signature that the same is true and correct to the best of my belief. Date of Survey Correct to the best of my belief. Signature that the same is true and correct to the best of my belief. Date of Survey Correct to the best of my belief. Signature that the same is true and correct to the best of my belief. Signature that the same is true and complete to the best of my belief. Signature that the same is true and complete to the best of my belief. Signature that the same is true and complete to the best of my belief. Signature that the same is true and complete to the best of my best of my best of my best of my belief.	CL or lot no.	Section											: East/West line :	County
NO ALLOWABLE WELL 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 carrify that the information contained heren is true and camplete to the best of my knowledge and belief. Signature Printed Name Title Dake SURVEYOR CERTIFICATION I hereby carrify that the well contained here in the well surveys made by me or under my supervision, and that the same is true and carrect to the best of my belief. Dake of Survey OCTOBER 25, 1985 Signature parties of the survey of the same is true and carrect to the best of my belief. Dake of Survey OCTOBER 25, 1985 Signature parties of the same of the same is true and carrect to the best of my belief. Dake of Survey OCTOBER 25, 1985 Signature parties of the same of			•											
CONSOLIDATED OR A NON-STANDARD UNIT BAS BEEN APPROVED BY THE DIVISION OPERATOR CERTIFICATION I hereby carrify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Printed Name Title Date SURVEYOR CERTIFICATION I hereby certify that the well location shown on this slot was plotted from field naces 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 OCTOBER 25, 1995 Signature survey and correct to the best of my belief. Date of Survey OCTOBER 25, 1995 Signature survey and correct to the best of my belief. Date of Survey OCTOBER 25, 1995 Signature survey and correct to the best of my belief. Date of Survey OCTOBER 25, 1995 Signature surveys and correct to the best of my belief. Date of Survey OCTOBER 25, 1995 Signature surveys made by me or under my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief. Date of Surveys and correct to the best of my belief.	Dedicated Ac	.zes 13 1a	int or Infill	14 Consolidatio	on Code	12 Order	Na.				-			
OPERATOR CERTIFICATION I hereby certify that the information cantained herein is true and camplete to the best of my knowledge and belief. Signature Printed Name Title Data SURVEYOR CERTIFICATION I hereby certify that the well location shown on this just 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. Details of Survey OCTOBER 25, 1995 Separatire the field of Protest of Protest of Surveys No. OCTOBER 25, 1995 Separatire the field of Protest of Separatire the field of Separatire the fiel		NO ALI	LOWABLE WE	IL BE ASS	GNED TO	THIS	COMPLE	TION	UNTI	ALL :	INTEREST	S HA	VE BEEN	, ,-
I hereby cartify that the information contained herein is true and complete to the best of my knowedge and belief. Signature Printed Name Title Date SURVEYOR CERTIFICATION I hereby certify that the well location shown an this plat was plotted from field nates a 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 Surveys and correct to the dest of my belief. Date of Surveys and correct to the dest of My belief. Date of Surveys and correct to the dest of My belief. Date of Surveys and correct to the dest of My belief. Date of Surveys and correct to the dest of My belief. Date of Surveys and correct to the dest of My belief. Date of Surveys and correct to the dest of My belief. Date of Surveys and correct to the dest of My belief. Date of Surveys and correct to the dest of My belief.		COI	NSOLIDATED	OR A NON	-STANDA	RD UNI	T HAS	BEEN	APPR	OVED	BY THE D	IVIS	ION	
Contained herein is true and complete to the best of my knowledge and belief. Signature Printed Name Title Data SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me a under my supervision, and that the same is true and correct to the best of my belief. Data of Survey OCTOBER 25, 1995 Signature natural of Professory OF Released OF Rele			ì				ì	4			OPER	ATO	R CERTIFIC	MOITA
Is the best of my knowledge and belief. Signature Printed Name Title Data SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plated from field notes of actual surveys made by me of under my supervision, and that the same is true and correct to the best of my belief. Data of Survey OCTOBER 25, 1985 Signature and of Professional Of Profes			1 				 				/ hereby	cert	ify that the info	ormation complete
SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was platted from field nates of actual surveys made by me or under my supervision, and that the same is true and carrect to the best of my belief. Data of Survey OCTOBER 25, 1995 Signature public of Professions of NEW MC Profession No. PELNET SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was platted by me or under my supervision, and that the same is true and carrect to the best of my belief. Data of Survey OCTOBER 25, 1995 Signature public of Profession Survey OCTOBER 25, 1995 Signature public of Profession No. YEAR NO. 7920 STRUMENT NO. 7920 AT 1920 STRUMENT NO. 7920			İ	; 			į							
SURVEYOR CERTIFICATION I hereby certify that the well location shown an this plat was platted from field nates of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data of Survey OCTOBER 25, 1995 Signature products of the profession of the same is true and correct to the best of my belief.			i i	!			'				Signature			
SURVEYOR CERTIFICATION I hereby certify that the well location shown on this slat 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. Data of Survey OCTOBER 25, 1995 Signature and of Profession Survey OCTOBER 25, 1995 Signature and of NEW AND ADDRESS AFFECTION BEZNER ADDRESS AFFECTION APPLIED No. 27920			i 1	i			! !		15	80.	Printed N	ame		
SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me ar under my supervision, and that the same is true and carrect to the best of my belief. Date of Survey OCTOBER 25, 1995 Signature red of Professional Action of Professional Act											Title		,	
J30' I hereby certify that the well location shown on this plat was plotted from field nates 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 OCTOBER 25, 1995 Signature and of Professions Survey Signature and of Professions Survey OF NEW MOUNTS OF NE			i !	! ! !							Date	-		
J30' I hereby certify that the well location shown on this plat was plotted from field nates 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 OCTOBER 25, 1995 Signature and of Professions Survey Signature and of Professions Survey OF NEW MOUNTS OF NE			! ! }	! !										
J30' I hereby certify that the well location shown on this plat was plotted from field nates 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 OCTOBER 25, 1995 Signature and of Professions Survey Signature and of Professions Survey OF NEW MOUNTS OF NE			! !	(1		Ć		SILBAR	マハギ	र एक्स्यास्य	TTON
location shown an this plat was platted from field nates of actual surveys made by me ar under my supervision, and that the same is true and correct to the best of my belief. Date of Survey OCTOBER 25, 1995 Signature parties of Professions Signature and of Professions Signature and Survey of REW MC Signature and Signatur				1			i			330.	ì			
Surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data of Survey OCTOBER 25, 1995 Signature indicated of Professional Survey OF NEW MONDO 20 FAMILY OF NEW MONDO 20 FAMIL	1			 							location	sho	wn on this pla	at was
Date of Survey OCTOBER 25, 1995 Signature and correct to the best of my belief. Date of Survey OCTOBER 25, 1995 Signature and correct to the best of my belief. A Professional Company of Professional Company of Management o	-			!			!				surveys	mad	de by me ar	under
Date of Survey OCTOBER 25, 1995 Signature and said of Profession Survey NO. NO. NO. NO. PREMIED No. 47920			i 	1							same is	true	and correct	to the
OCTOBER 25, 1995 Signature in the state of Profession Survival August 1995 A VINN A BEZNER No. 1995 The state of the s			} 	\ 							pest of	my	peiler.	
Signature and of Profession Survey Williams Su				İ			! !				Date of S	CTOE	BER 25, 1995	
BEZNER NO. 1920 VO. APENER VO. APENER VO. APENER 17920			i 1	1			1				Signature	باعظه	real of	
BEZNER NO. 1920 VO. APENER VO. APENER VO. APENER 17920				-							25.46	OF H	EH MEY	
			į	i I			1				Jan Salar	/		
	-3 (\$!							1 *	Y/Z REZ	NER !	ļ
			\$! 4	! !			\$ 1				X	20	1926	100
JOB CEM ZAMA RESE / V.H.B.			i	į			!				汉	No.	~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
							<u></u>			<u></u> !	JOE	山拉	HA BESE /	v.H.3.

BASS ENTERPRISES PRODUCTION CO.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131

817/390-8400

February 14, 2000

Bureau of Land Management

2909 W. 2nd Street

Roswell, New Mexico 88201

Attention: Mr. Armando Lopez

New Mexico Oil Conservation Division

2040 S. Pacheco

Santa Fe, New Mexico 87504

Attention: Roy Johnson

Commissioner of Public Lands

310 Old Santa Fe Trail

Santa Fe, New Mexico 87504

Attention: Pete Martinez

Re:

Commercial Well Determinations

James Ranch Unit

Eddy County, New Mexico

Dear Mr. Lopez:

Please reference the letter from the Bureau of Land Management, Roswell Field Office dated January 10, 2000, requesting commercial well determinations for various intervals in the James Ranch Nos., 30, 65, 76, 73, 55, 56, 48, 16, 19, 29, 37, 41 and 71. Accordingly, please find attached hereto a package containing commercial well determinations for the following wells in the James Ranch Unit.

Well		Zone	Commercial (Y/N)
JRU#16		Delaware	\mathbf{Y}^{\cdot}
JRU#16		Bone Spring	. Y
JRU # 16		Wolfcamp	N
JRU # 17		Delaware	Y
JRU # 19		Delaware	Y
JRU #29		Delaware	\mathbf{Y}
JRU # 30		Wolfcamp	N
JRU#36		Delaware	\mathbf{Y}
JRU # 37		Delaware	\mathbf{Y}
JRU #41	•	Delaware	\mathbf{Y}
JRU#65		Delaware	Y

Well	Zone	Commercial (Y/N)
JRU#65	Bone Spring	N
JRU#65	Wolfcamp	N
JRU#71	Delaware	Y
JRU# 71	Bone Spring	N
JRU#71	Wolfcamp	N
JRU #73	Delaware	Y
JRU#73	Bone Spring	N
JRU#73	Wolfcamp	N
JRU #76	Delaware	Y
JRU# 76	Bone Spring	N
JRU#76	Wolfcamp	N
JRU#48	Delaware	N
JRU#55	Delaware	Y
JRU#56	Delaware	Y
JRU#57	Delaware	Y

It should be noted that Bass is continuing to conduct additional drilling operations in the area at this time. As a result thereof, the James Ranch Nos. 63, 31 and 38 are currently being completed in the Delaware Formation and further wells both Delaware and Delaware/Bone Springs/Wolfcamp Wells are planned. Bass will combine the information from the existing and future wells for the submittal of participating areas in the James Ranch Unit. Please provide your approval of the above commercial determinations in the space provided below. Thank you very and should you have any questions or comments in the above regard, please contact the undersigned.

Very truly yours

J. Wayne Bailey

J. Wayne Bailey

BUREAU OF LAND MANAGEMENT

By: _____

COMMISSIONER OF PUBLIC LANDS

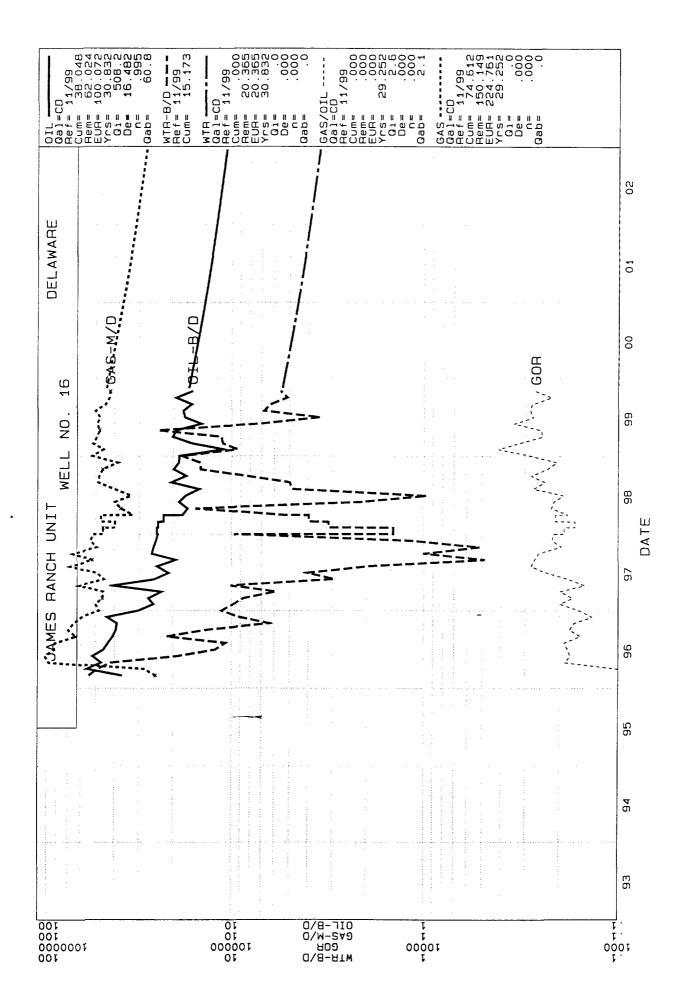
By: _____

NEWMEXICO OIL CONSERVATION DIVISION

PERFORMANCE DATA

ECONOMIC LIMIT (ql)60	-				
SOB SOB	(If sufficient history exists,	attach plot of oil production ra	te v time.)		
ECONOMIC LIMIT (ql) 60 DECLINE RATE, dy Hyperbolic d = 16.48% n = .995 REMAINING OIL (Q) = 54.352 UILTIMATE RECOVERABLE OIL 92,400 (Attach plat showing proration unit and participading area.) ECONOMIC WELL COST \$ 570,000 (to the depth of formation completed) RECOMPLETION COST \$ 0 TOTAL COST \$ 570,000 YEAR GROSS OIL REVENUE QPERATING COST OASH FLOW 2ERO 0 0 0 -570,000 1 14,400 315,400 44,500 258,800 2 9,300 203,200 35,100 1145,900 3 7,500 114,300 28,500 67,490 4 6,300 133,600 31,200 72,800 5 5,600 148,000 30,200 75,700 6 4,700 107,500 27,000 31,00 7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800 10 3,000 61,800 23,900 14,800	CUMULATIVE PRODUCT	TION TO _	11/30/99	;38,048	BBLS
DECLINE RATE, dy	INITIAL RATE (qi)		5	508	
REMAINING OIL (Q) = 54,352 ULITIMATE RECOVERABLE OIL 92,400 (Attach plat showing proration unit and participating area.) ECONOMIC WELL COST \$ 570,000 (to the depth of formation completed) RECOMPLETION COST \$ 0 TOTAL COST \$ 570,000 YEAR GROSS OIL REVENUE OPERATING COST CASH FIOW ZERO 0 0 0 0 570,000 1 14,400 315,400 44,500 258,800 2 9,300 203,200 35,100 145,900 3 7,500 114,300 28,500 67,400 4 6,300 133,600 31,200 72,800 5 5,600 148,000 30,200 75,700 6 4,700 107,500 27,000 46,700 7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800 18,800	ECONOMIC LIMIT (qi)	-		60	_
CATTACK STO,000	DECLINE RATE, dy	_	Hyperbolic d =	16.48% n = .995	
CATACH plat showing proration unit and participating area.)	REMAINING OIL (Q) =	_	54	,352	_
ECONOMIC WELL COST \$	ULTIMATE RECOVERAB	LE OIL _	92	,400	_
WELL COST \$	(Attach plat showing prora	tion unit and participating area.	.)		
WELL COST \$					
TOTAL COST \$ 570,000 TOTAL COST \$ 570,000 YEAR GROSS OIL REVENUE OPERATING COST CASH FLOW ZERO 0 0 0 0 -570,000 1 14,400 315,400 44,500 258,800 2 9,300 203,200 35,100 145,900 3 7,500 114,300 28,500 67,400 4 6,300 133,600 31,200 72,800 5 5,600 148,000 30,200 75,700 6 4,700 107,500 27,000 46,700 7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800			ECO	NOMIC	
TOTAL COST \$ 570,000 TOTAL COST \$ 570,000 YEAR GROSS OIL REVENUE OPERATING COST CASH FLOW ZERO 0 0 0 0 -570,000 1 14,400 315,400 44,500 258,800 2 9,300 203,200 35,100 145,900 3 7,500 114,300 28,500 67,400 4 6,300 133,600 31,200 72,800 5 5,600 148,000 30,200 75,700 6 4,700 107,500 27,000 46,700 7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800	WELL COST &	F70 000 (to the dorth	of formation completed)		
TOTAL COST \$ 570,000 YEAR GROSS OIL REVENUE OPERATING COST CASH FLOW ZERO 0 0 0 -570,000 1 14,400 315,400 44,500 258,800 2 9,300 203,200 35,100 145,900 3 7,500 114,300 28,500 67,400 4 6,300 133,600 31,200 72,800 5 5,600 148,000 30,200 75,700 6 4,700 107,500 27,000 46,700 7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800			or formation completed)		
YEAR GROSS OIL REVENUE OPERATING COST LOW DISCOUNTED CASH FLOW ZERO 0 0 0 -570,000 1 14,400 315,400 44,500 258,800 2 9,300 203,200 35,100 145,900 3 7,500 114,300 28,500 67,400 4 6,300 133,600 31,200 72,800 5 5,600 148,000 30,200 75,700 6 4,700 107,500 27,000 46,700 7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800					
YEAR GROSS OIL REVENUE OPERATING COST DISCOUNTED CASH FLOW ZERO 0 0 0 -570,000 1 14,400 315,400 44,500 258,800 2 9,300 203,200 35,100 145,900 3 7,500 114,300 28,500 67,400 4 6,300 133,600 31,200 72,800 5 5,600 148,000 30,200 75,700 6 4,700 107,500 27,000 46,700 7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800		570,000			10V NET DEIT
ZERO O O O -570,000 1 14,400 315,400 44,500 258,800 2 9,300 203,200 35,100 145,900 3 7,500 114,300 28,500 67,400 4 6,300 133,600 31,200 72,800 5 5,600 148,000 30,200 75,700 6 4,700 107,500 27,000 46,700 7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800		g. 044 g.u	551/51/1/5	OPEN LINES COST	DISCOUNTED
1 14,400 315,400 44,500 258,800 2 9,300 203,200 35,100 145,900 3 7,500 114,300 28,500 67,400 4 6,300 133,600 31,200 72,800 5 5,600 148,000 30,200 75,700 6 4,700 107,500 27,000 46,700 7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800					
2 9,300 203,200 35,100 145,900 3 7,500 114,300 28,500 67,400 4 6,300 133,600 31,200 72,800 5 5,600 148,000 30,200 75,700 6 4,700 107,500 27,000 46,700 7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800	ZERO	0	0	0	-570,000
3 7,500 114,300 28,500 67,400 4 6,300 133,600 31,200 72,800 5 5,600 148,000 30,200 75,700 6 4,700 107,500 27,000 46,700 7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800	1	14,400	315,400	44,500	258,800
4 6,300 133,600 31,200 72,800 5 5,600 148,000 30,200 75,700 6 4,700 107,500 27,000 46,700 7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800	2	9,300	203,200	35,100	145,900
5 5,600 148,000 30,200 75,700 6 4,700 107,500 27,000 46,700 7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800	3	7,500	114,300	28,500	67,400
6 4,700 107,500 27,000 46,700 7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800	4	6,300	133,600	31,200	72,800
7 4,100 88,800 25,900 33,100 8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800	5	5,600	148,000	30,200	75,700
8 3,700 75,700 24,900 24,200 9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800	6	4,700	107,500	27,000	46,700
9 3,300 68,000 24,400 18,800 10 3,000 61,800 23,900 14,800	7	4,100	88,800	25,900	33,100
10 3,000 61,800 23,900 14,800	8	3,700	75,700	24,900	24,200
	9	3,300	68,000	24,400	18,800
	10	3,000	61,800	23,900	14,800
	REMAINDER	30,500	617,500	384,400	55,200

WELL IS COMMERCIAL



JRU #16 DELAWARE PREPARED BY: KENT ADAMS

DELAWARE D BY: KENT ADAMS

DATE : 02/09/00
TIME : 10:31:31
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 40 CALCULATED DATA INPUT DATA

(

	111111			11111111111	1111111	1 1 1 1 1 1	1 1 1 1 1		1 1 1 1 1 1 1		-	
ITEM	Ð	G RATES		SCHEDULE UNTIL	UNTIL	PROCEDURE		ULTIMATE	LAST E	EFF. DECL	INIT. RATE	FINAL RATE
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
405 START	11/99											
410 OIL 415 "	508.16 143.31	××	B/M B/M	12/2013 AD 19.30 IMU	AD IMU	H/0.995 EXP	16.48	80.772 100.072	11/13 8/30	16.48 5.00	508.	143. 61.
420 START	11/99											
425 GAS/OIL	2.65	2.15	5 M/B	02/2029 AD	AD	LOG	TIME		1/29			
430 START	11/99											
435 WTR/OIL	.33	×	u/B	OL.	LIFE	LIN	TIME		8/30			
440 START	02/96			₹								
	16.8800	×	\$/B	1/95	MM/YY	PC	00.		8/30		16.880	
517 "	18.39	××	82/s>	1/96	8 8	5 F	00.		8/30		18.390	000
519	20.74	< ×	a/s	1/98	2 2	7 Z	80.		12/97		20.740	20.740
520 "	14.43	×	\$/B	1/99	AD.	PC	00.		12/98		14.430	14.430
521 "	19.25	×;	\$/B	1/2000	AD	<u> </u>	00.		12/99		19.250	19.250
	24.94	×	8/s	1/2001	g g	D G	00.		12/00		24.940	24.940
	19.20	* ×	e/s	1/2003	2 2	រ ដ	8.0		12/02		19.200	19.200
525 "	18.18	×	8/B	1/2004	AD	PC	00.		12/03		18.180	18.180
	18.13	×	\$/B	දු	LIFE	PC	00.		8/30		18.130	18.130
	1.8900	×	W/\$	1/95	MM/XY	DG.	00.		8/30		1.890	
	1.94	×	W/\$	1/96	AD	PC	00.		1/96		1.940	
	2.61	×	W/\$	1/97	AD.	PC	00.		12/96		2.610	2.610
	2.59	×	\$/W	1/98	AD	PC	00.		12/97		2.590	2.590
535 *	2.13	×	w/s	1/99	AD.	PC	00.		12/98		2.110	2.110
536 *	2.27	×	W/s	1/2000	AD	PG	00.		12/99		2.270	2.270
538 "	2.60	×	Σ	1/2001	A t	ט נ	8.		12/00		2.600	2.600
539 #	2.57	×	W/\$	TO TO	LIFE	PC DC	80.		8/30		2.570	2.570
544 PRI/WTR 545 "	5000.	. 5000	n/\$ 0	1/2000 TO	AD LIFE	PC	00.		1/96		. 500	.500
550 OPC/T	1600.00	×		ę.	LIFE	SCH	OPC		8/30		1600.000	1600.000
			:						•))))
555 STX/OIL 560 STX/GAS	7.08	××	دېن جي	55	LIFE	PC PC	00.		8/30 8/30		.071	.071
565 ATX	.17	×	Jr.	OT	LIFE	PC	00.		8/30		.002	.002
570 PRI/OIL 575 PRI/GAS	9100	9100	0 \$/B 0 \$/M	5 t	LIFE	PC	000.		8/30		910 130	18.130 2.570
700 LSE/WI	100.0000	Д	*	TO	LIFE	FLAT	00.		8/30		1.000	1.000
701 OWN/WI	100.0000	Ω	مد	ð	LIFE	FLAT	00.		8/30		1.000	1.000

5 .125		5 .125		E FINAL RATE		R ESC. TÆIÆR	570.0 65.0 -24.0) ; ; ; ; ; ; ; ; ; ; ;	
.125		.125		INIT. RATE		TOT. TEIER	570.0 65.0 -24.0		 	
				EFF. DECL		RISK INV.			! ! ! ! !	{
8/30	8/30	8/30 8/30	8/30	LAST		MONTH	2/96 10/0 8/30		1 1 1 1 1	111111111111111111111111111111111111111
				ULTIMATE	38.525 75.872 15.173	TOTAL T&I	570.000 65.000 -24.000		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ē
00.	00.	00.	00.				00.		1 1 1 1 1	365.
FLAT	FLAT	FLAT FLAT	FLAT	PROCEDURE		PROCEDURE	DA DA	ITEM	CUML, MB	1*11 38*12 1*600 10.0 DISC. FREQUENCY :
LIFE	LIFE	LIFE	LIFE	SCHEDULE UNTIL			02/96 AD 10/2000 AD TO LIFE		ı	*12 1*600 DISC
ဦ	5 C	2 2	5 E	SCHEDU		TIME	02/96 10/20 TO		74.61	1*11 38 10.0
òР	عد	~~ ~~	a)de	ES		TANGIBLES & INTANGIBLES	330.00 M\$G 65.00 M\$G .00 M\$G	ITEM	CUMG, MMF	TIME FRAMES : PW %-AGE :
Ω	Ω	ΩΩ	Д	VG RAI	 # # %	NI 39 6	330.			TIME PW *
12.5000	0000.	12.5000	0000.	SCHEDULING RATES	P.OIL OIL # P.GAS GAS # P.WATER WTR	TANGIBLE	240.00	FTERS	NO B 38.05 NO	4PTIONS 2/96 2/96
720 LSE/RIC 12.5000	721 OWN/RI	740 LSE/RIG 760 LSE/ORR	761 OWN/ORR	OVERLAYS	905 LOAD P 910 LOAD P 915 LOAD P	INVESTMENT	801 WORKOVER 802 SALVAGE	RESERVE PARAMETERS	201 LOSS NO 205 CUMO, MB 38.05 210 LOSS NO	PROJECT ASSUMPTIONS BASE DATE : 2/9 P.W. DATE : 2/9

(

JRU PRE

9/00 1:31	2	TOTAL	100.000	.0 611.0 .0 611.0	92.4 80.8 1494.8 18.49	209.8 183.5 438.8 2.391	32.9 32.9	1933.6 140.6 3.0 528.0 8.9 8.9 0.0 1253.1 611.0	813.5 609.2 204.2 204.2
: 02/09/00 : 10:31:31 : JRUPA E : CD	·	AFTER	100.000	.0 -24.0	30.5 26.7 460.3 17.22	73.5 64.3 156.9 2.440	10.0 10.0	617.2 45.0 1.0 337.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	55.2 -1.5 56.7 204.2
DATE TIME DBS FILE SETUP FILE SEQ NUMBER		S TOT	100.000	.0 635.0 .0 635.0	61.8 54.1 1034.5 19.12	136.3 119.3 281.9 2.364	22.8 22.8 .353	1316.4 95.6 2.1 190.4 8.1 8.1 0.0 1020.3 635.0	758.3 610.8 147.5 147.5
U H Q W W		12/05	100.000 87.500	0.000	3.0 2.6 45.5 17.22	7.7 6.7 16.4 2.440	1.0 1.0	61.8 4.5 4.5 1.1 19.2 10.0 37.9 37.9	14.8 .0 14.8
		12/04	100.000	0000	3.3 2.9 49.9 17.22	8.5 7.4 18.1 2.440	1.1 1.1 .080	68 6.0 6.0 6.0 6.0 6.0 6.0 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	18.8 .0 18.8
	S D	12/03	000	0000	3.7 3.2 55.5 17.27	9.5 8.3 20.2 2.440	1.2	7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	24.2 .0 24.2 113.9
	H O N	12/02	000	0.0.0.0	4.1 3.6 66.0 18.29	10.7 9.4 22.9 2.440	1.4 1.4 .080	88 88 6 5 6 5 8 1 1 9 2 1 1 1 9 2 1 1 1 9 2 1 1 9 2 1 1 9 2 1 1 9 2 1 9 1 9	33.1 .0 33.1 89.7
	E C O	12/01	100.000 1	0.000	4.7 4.1 81.2 19.76	12.3 10.7 26.3 2.450	1.5 1.5	107.5 7.8 7.8 19.2 19.2 .0 .0 .0 .0 .0 .0 .0 .0	46.7 .0 46.7 56.6
	V E S A N D EFFECTIVE DATE	12/00	100.000 187.500	.0 65.0 .0	5.6 4.9 116.9 24.03	14.4 12.6 31.1 2.470	1.8 1.8 .080	148.0 10.7 .2 19.2 .0 .0 .0 .117.6 65.0	75.7 40.8 34.9 9.9
	ERVES EFFECT	12/99	100.000 1	0000	6.3 5.5 101.1 18.34	17.4 15.2 32.5 2.140	4.1 4.1	133.6 9.7 9.7 19.2 19.2 10.0 102.4 102.4	72.8 .0 72.8 -25.0
	я 8 В	12/98	100.000 1	0.0.00	7.5 6.5 88.3 13.52	15.0 13.2 26.0 1.980	1.5	114.3 8.3 19.2 19.2 .0 85.8 85.8	67.4 .0 67.4 8.76-
		12/97	. 500	0.000	9.3 8.1 161.3 19.83	19.5 17.0 41.9 2.460	1.7	203.2 14.7 19.2 19.2 .0 .0 168.1 168.1	145.9 .0 145.9 -165.3
		12/96	* 100.000 100 * 87.500 87	.0 570.0 .0 570.0	14.4 12.6 268.9 21.35	21.5 18.8 46.5 2.480	7.5	315.4 22.7 22.7 17.6 3.7 3.7 0.0 270.8 570.0	258.8 570.0 -311.2 -311.2
JRU #16 DELAWARE PREPARED BY: KENT ADAMS		PERIOD ENDING	OWNERSHIP 1) WORKING INTEREST, # 1 2) REVENUE INTEREST, #	INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	ECONOMICS, M\$	PRESENT WORTH © 10.00 %

44 194

...

JRU #16 DELAWARE PREPARED BY: KENT ADAMS AFTER TAX ECONOMICS

DATE : 02/09/00
TIME : 10:31:31
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 40

TAX TREATMENT OF INVESTMENTS 12 EXP, RISK & CAP INT 33										10,0	TOT		TATOL
TAX TREATMENT OF INVESTMENTS 1) EXP. RISK & CAP INT 33	2/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	12/04	12/05	1	AFTER	TATO
1) EXP, RISK & CAP INT 33	'S, MS	1	1 1 1 1					1	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	t 1 5 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	!	:
EXP, RISK & CAP INT DEPLETABLE													
	330.0	٥.	٥.	٥.	65.0	°.	0.	٥.	٥.	°.	395.0	٥.	395.0
	٥.	٥.	0.	٥.	٥.	٥.	٥.	٥.	٥.	٥.	0.	٥.	٥.
3) DEPRECIABLE 24	40.0	0.	٥.	٥.	°.	٥.	٥.	٥.	0.	٥.	240.0	-24.0	216.0
TAX CALCULATIONS, M\$													
4) GROSS REV. TO INTR. 31	315.4	203.2	114.3	133.6	148.0	107.5	88.8	75.7	68.0	61.8	1316.4	617.2	1933.6
- SEVERANCE TAX	22.7	14.7	. 8	7.6	10.7	7.8	6.5	5.5	5.0	4.5	95.6	45.0	140.6
- WPT TAX NET	٥.	٥.	0.	٥.	٥.	٥.	٥.	٥.	0.	°.	0.	0.	0.
	21.8	20.4	20.2	21.5	19.6	19.5	19.4	19.4	19.4	19.4	200.5	339.4	539.9
+ NPI OWNED - PAID	٥.	٥.	0.	٥.	٥.	0.	٥.	٥.	0.	٥.	0.	٥.	0.
- OVERHEAD	٥.	٥.	0.	٥.	٥.	٥.	٥.	٥.	0.	٥.	٥.	٥.	٥.
- EXPENSED INV.	30.0	٥.	0.	٥.	65.0	0	٥.	٥.	0.	٥.	395.0	٥.	395.0
- DEPRECIATION	31.4	26.7	43.4	31.0	22.1	21.4	21.4	12.5	0.	0.	240.0	°.	240.0
- NET	9.06	111.4	42.5	71.4	30.5	58.8	41.5	38.3	43.7	37.9	385.3	232.8	618.1
- DEPLETION	٥.	٥.	0.	٥.	٥.	٥.	٥.	٥.	٥.	٥.	٥.	٥.	0.
- INTEREST PD & CAP	0.	٥.	0.	٥.	٥.	0.	٥.	0.	0.	0.	0.	٥.	0.
- TAXABLE	9.06-	111.4	42.5	71.4	30.5	58.8	41.5	38.3	43.7	37.9	385.3	232.8	618.1
* 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
	٥.	٥.	0.	0.	0.	٥.	٥.	0.	٥.	٥.	0.	٥.	0.
- WPT REFUND	٥.	٥.	0.	0.	٥.	٥.	٥.	0.	٥.	٥.	٥.	0.	0.
19) = F.I.T3	-31.7	39.0	14.9	25.0	10.7	20.6	14.5	13.4	15.3	13.3	134.9	81.5	216.3
20) REVENUE-SEV-WPT 29	92.7	188.5	106.0	123.9	137.2	7.66	82.4	70.2	63.1	57.3	1220.8	572.1	1793 0
21) - OPR. COSTS & ATX 2	21.8	20.4	20.2	21.5	19.6	19.5	19.4	19.4	19.4	19.4	200.5	339.4	539.9
	0.	٥.	0.	٥.	٥.	٥.	0.	٥.	0.	0.	0.	0.	0.
- F.I.T.	-31.7	39.0	14.9	25.0	10.7	20.6	14.5	13.4	15.3	13.3	134.9	81.5	216.3
= A.F.I.T.	02.5	129.1	71.0	77.4	107.0	59.6	48.4	37.4	28.4	24.7	885.4	151.3	1036.7
- LOAN REPAYMENT	٥.	0.	0.	0.	٥.	0.	٥.	0.	0.	٥.	0.	0.	٥.
- INTEREST PAID	٥.	٥.	0.	0,	0,	0.	٥.	٥.	0.	°.	0.	0.	0,
- NET INCOME	302.5	129.1	71.0	77.4	107.0	59.6	48.4	37.4	28.4	24.7	885.4	151.3	1036.7
- INVESTMENTS & RSK	70.0	٥.	0.	0.	65.0	٥.	٥.	٥.	٥.	0.	635.0	-24.0	611.0
29) = A.F.I.T. NET -26	67.5	129.1	71.0	77.4	42.0	9.69	48.4	37.4	28.4	24.7	250.4	175.3	425.7
PRESENT WORTH @ 10.00 %													
OC NET TWOOME		113	9		0	•	L C		6		0		
S & RISK	70.07	1.211	n c	0.0	9 6 6 20 . 04	7.42	ν. υ.	B . / T	77.7	ν ο c	7.089	35.9	716.5
A F I I NET		112.1	, r.	ני	28.0	7. 45	, r,	, r		. a	3.0	1.4.6	4.00
CUM. A.F.I.T. NET	-280.9	-168.8	-113.0	-58.0	-30.0	4.7	30.2	48.0	60.3	69.0	69.6	107.3	107.3

JRU #16 DELAWARE PREPARED BY: KENT ADAMS

DATE : 02/09/00
TIME : 10:31:31
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 40

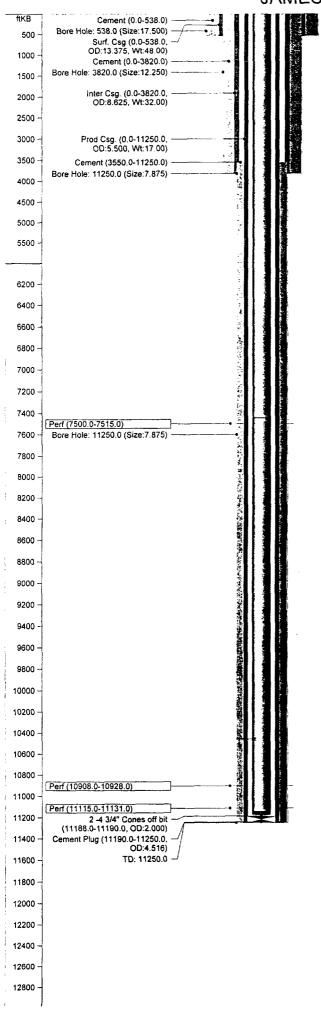
ECONOMIC INDICATORS

AS OF DATE: 2/96

A.F.I.T.	BONUS	WS
A.F.I.T.	WORTH	MS
B.F.I.T.	WORTH	MS

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

	654.992	475.863	302.563	259.972	189.391	133.060	-38.950	-130.671	-189.919	-232.337	-264.738	-290,611	-311,944	-329.960	-345.459					
-	425,745	332.689	227.427	198.933	149.245	107.304	-33.582	-116.393	-172.543	-213.948	-246.209	-272.340	-294.114	-312,655	-328.710	17.6	3.79	5.78	1.70	1.18
BONUS TABLE	642.068	513.539	368.354	329.206	261.229	204.247	17.153	-88.311	-157.387	-206.917	-244.619	-274.547	-299.046	-319.574	-337.092	21.6	3.36	4.63	r. 2.05	1.34
KAIE-OF-KEIOKN VS. BON	.0	2.	.5.	. 9	œ	10.	20.	30.	40.	50.	. 09	70.	80.	.06	100.	RATE OF RETURN, PCT.	UNDISCOUNTED PAYOUT, YRS.	DISCOUNTED PAYOUT, YRS.	UNDISCOUNTED NET/INVEST	DISCOUNTED NET/INVEST.



JAMES RANCH					_		
API No.	30015286		Status		- -		OIL
TD	11250.0 ftl		Engineer		<u>.</u>	. K	AA .
PBTD	11190.0 ftl				<u> </u>		
Operator	BEPCO		Permit				
Well No.	16		Spud				1/95
ID Code			RR		-+		7/96
Field :	Los Medar		Completi	on	i	3/9	/96
	(Delaware				<u> </u>	_	
Author	RAS	L	ast Act.		i		
Date Updated	12/22/97	P	Abandon	ed			
Comments	Drilled by Er	ron					
Location							
Township	S022	, ,	Γορ Latit	ude			0
топполір			Top Long				- 0
Range	E030		Top NS			108	0.0 ft N
· cango	:		Top EW	Dista	nce		0.0 ft E
Section	36	F	Bottom L	atitud	100		0.0112
Unit Ltr.	H		Bottom L				0
State	NEW ME	VICO E	3tm NS				0.0 ft
County	EDD,	VICO E	3tm EW	Dista	700		0.0 ft
Elevations			JUII LVV	Dista	nce		.0 11
	0004.5						0.00
KB	3331.5		Cas Fing				0.0 ft
Grd	3313.0		Tub Hea	<u>a</u>		(0.0 ft
KB-Grd	18.5						
Casing String -							
tem	Top Bi	m Jnts	s ID)	Wt	Gro	i The
(in)	(ftKB) (fth		1	-			!
13 3/8 in Surf.		8.0 1	1 12.	715	48.00	H-4	O STO
Csg	1.5.5					. , ''	
Casing String -	Intermedi	ate Cae	inc	<u>_</u>			
tem					Wt	Cro	Th
			s 10	' i	AAL	Gro	i The
(in)	(ftKB) (ftk			200	00.00		
8 5/8 in Inter Csg.				920	32.00	J-55	STO
Casing String -		<u>n Casin</u>	ıg				
ltem	Top Bi	m Jnts	s ID	1	Wt	Gro	The
(in)	(ftKB) (ftl	(B)	i	1			- 1
5 1/2 in Prod Csg.	0.0:125	0.0	4.	890	17.00		
Casing Cemen							
Casing String		Am	ount		Com	men	ts
	(ftKB		sx)		•		
Surface Casing		0.0	390				
ntermediate Casi		0.0	3159				
Production Casing		0.0	1650 T	OC b	v Temp	Sur.	
Tubing String -							
tem			nts	ID	Wt	G	rd Th
in)		tKB)		in)	1	"	
2 7/8 in Tbg.				2.441	6.50) N-	80 80
	+						80 8r
2 7/8 in TAC	7445.0 7			0.000			90 0
2 7/8 in Tbg.	7448.0:11			0.000) N-	80 8r
2 7/8 in SN	11145.0:11	146.0		0.000			
2 7/8 in PS	11146.0 11			0.000			
2 7/8 in MA`	11150.0 11			0.000	0.00	J	<u>`</u>
74h a n / m l	auin etc.)		Back				
	qu.p., 0.0.,	Item				lr	nt
Date	ga.p., 0.0.,	Rem			!	(ftk	(B)
	<u>qu.p., 0.0.,</u>	item			•	an n	- 11250.
Date	ement Plug	item			1111		
1/17/96 Ce		item			1111	00.0	
Date 1/17/96 Ce Perforations							atue
Date 1/17/96 Ce		Int			Shots		atus
Date 1/17/96 Ce Perforations Date	ement Plug	Int	1.0	\$	Shots (/ft)	St	atus
Date 1/17/96 Ce Perforations Date 1/26/96	ement Plug	Int 0 - 1113		S	Shots (/ft) 2.	St	atus
Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96	11115 10908	Int .0 - 1113 .0 - 10928	8.0	\$	Shots (/ft) 2.	St	atus
1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96	11115 10908 7500	Int 0 - 1113 0 - 10928 0 - 7515	8.0	S	Shots (/ft) 2.	St	atus
1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations &	11115 10908 7500 Treatment	Int 0 - 1113 0 - 10928 0 - 7515.	8.0 .0		Shots (/ft) 2. 2. 4.	0 0 0	
Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date Type	11115 10908 7500 Treatment	Int 0 - 1113 0 - 10928 0 - 7515. s terval	8.0 .0	s S	Shots (/ft) 2.	0 0 0	atus Comme
Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date Type	11115 10908 7500 Treatment	Int 0 - 1113 0 - 10928 0 - 7515.	8.0 .0		Shots (/ft) 2. 2. 4.	0 0 0	
Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date Type /30/96 Sand Frace	11115 10908 7500 Treatment 111	Int 0 - 1113 0 - 10928 0 - 7515. s terval	8.0 .0		Shots (/ft) 2. 2. 4.	0 0 0	
1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations &	11115 10908 7500 Treatment In:	Int 0 - 1113 0 - 10928 0 - 7515 s terval	8.0 .0		Shots (/ft) 2. 2. 4.	0 0 0	
1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date Type /30/96 Sand Frace	11115 10908 7500 Treatment 111 111	Int 0 - 1113 0 - 10928 0 - 7515 s terval 115.0 - 131.0	8.0 .0		Shots (/ft) 2. 2. 4.	0 0 0	
1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Type /30/96 Sand Frace 2/3/96 Sand Frace	11115 10908 7500 Treatment 111 111 100 10	Int .0 - 1113 .0 - 10928 .0 - 7515 .s terval .115.0131.0 .908.0 -	8.0 .0 Flu		Shots (/ft) 2. 2. 4.	0 0 0	
1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Type /30/96 Sand Frace 2/3/96 Sand Frace	11115 10908 7500 Treatment 111 111 100 100 7500.0	Int 0 - 1113 0 - 10928 0 - 7515 s terval 115.0 - 131.0 908.0 -	8.0 .0 Flu		Shots (/ft) 2. 2. 4.	0 0 0	
1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date Type /30/96 Sand Frace 2/3/96 Sand Frace 2/3/96 Sand Frace 2/3/96 Sand Frace Stimulations & Primary	11115 10908 7500 Treatment 111 111 100 100 7500.0	Int 0 - 1113 0 - 10928 0 - 7515. s terval 115.0 - 131.0 908.0 - 928.0 0 - 7515.0	8.0 .0 Flu	uid	Shots (/ft) 2 2 4.	St	Comme
1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date Type /30/96 Sand Frace 2/3/96 Sand Frace 2/3/96 Sand Frace 2/3/96 Sand Frace Stimulations & Primary	11115 10908 7500 Treatment 111 111 100 100 7500.0	Int 0 - 1113 0 - 10928 0 - 7515 ss terval 115.0 - 131.0 908.0 - 928.0 0 - 7515.0	8.0 .0 Flu	Jid	Shots (/ft) 2 2 4.	St	
Date 1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date Type /30/96 Sand Frace 2/3/96 Sand Frace 2/3/96 Sand Frace Eish - Primary Date It	11115 10908 7500 Treatment 111 111 100 7500.0	Int .0 - 1113 .0 - 10928 .0 - 7515. s terval 115.0 - 131.0 908.0 - 928.0 0 - 7515.0	8.0 .0 Flu	Jid OD (in)	Shots (/ft) 2 2 4.	St	Comme
1/17/96 Ce Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & Date Type /30/96 Sand Frace 2/3/96 Sand Frace 2/3/96 Sand Frace 2/3/96 Sand Frace Stimulations & Primary	11115 10908 7500 Treatment 111 111 100 7500.0	Int 0 - 1113 0 - 10928 0 - 7515 ss terval 115.0 - 131.0 908.0 - 928.0 0 - 7515.0	8.0 .0 Flu	Jid	Shots (/ft) 2 2 4.	St	Comme

WELL HISTORY

WELL NAME:

JAMES RANCH UNIT #16

FIELD NAME:

LOS MEDANOS

LOCATION .

1980' FNL & 330' FEL SEC 36, T22S, R30E EDD CO. NM

ELEV:

3313' GL

SPUD DATE:

12/31/95

COMP DATE:

3/9/96

ORIG TD:

11,250'

ORIG PBTD:

11,190'

CASING:

13 3/8", 48#, CSA 538', CMT W/390 SXS, CMT CIRC TO SURFACE 8 5/8", 32#, CSA 3820', CMT W/3159 SXS, CMT CIRC TO SURFACE 5 4", 17# CSA 11,250', CMT W/1650 SXS, TOC @ 3550'(TEMP SUR)

TUBING:

2 7/8" TBG @ 11, 172'

DST:

NONE

CORES & LOGS:

28 SIDEWALL CORES (1/16/96)

LOGS ??

INITIAL COMPLETION

1/26/96 TO 2/2/96 PERF, ACIDIZE & FRAC WOLFCAMP

Perf 11,115-11,131 (16'-2SPF @ 60° phasing). Acidize w/1500 gals 15% HCL. Frac w/53,000 gals Sprectra Frac G-4000 + 301,000 # 20/40 Ottawa sand + 20,350# 20/40 Econoprop. SI 4 hrs for break, flow back well 3 days.

2-3-96 TO 2-7-96 PERF, ACIDIZE & FRAC 3RD BONE SPRING

Tagged sand plug @ 11,006', tested to 4000# using methanol, no Perf Bone Spring Fm @ 10,908-28' (20'-40 shots). Acidize w/1000 gals 15% HCL. Frac w/48,000 gals Sprectra Frac G-4000 + 350,000# 20/40 sand + 30,000# 20/40 Econoprop. Flow well back 5 days.

2-8-96 TO 2-11-96 PERF, ACIDIZE & FRAC DELAWARE (BRUSHY CANYON "V" SAND)

Set CIBP @ 10,796', tested to 4000#. Perf 7500-15' (15' 61 SHOTS 0° phasing. Acidized w/2,000 gals 15% HCL. Frac w/24,500 gals Spectra-Frac G-3000 + 52,000# 20/40 Brady sand + 20,000# 20/40 ACFRAC CR-4000 (RCS). Flow well back, well died, swabbed well.

WELL HISTORY JAMES RANCH UNIT #16 PAGE 2

2-23-96 RU Apollo Wireline, run after frac survey. RD, left flowing, 77 BO, 36 BW on 64/64" ck., 10 psi FTP.

2-27-96 to 3-6-96 Attempt to put on Artificial Lift

Attempt to run tbg, rods and pump. Parted tbg and had to fish. Caught fish & LD. Well KO & flowed.

3-8-96 to 3-12-96 Drill Out CIBP and Commingle Wolfcamp, Bone Spring & Delaware Perfs

Drilled CIBP @ 10,796. Top sand plug @ 11,006, wash and rotate, chased CIBP to 11,095'. Drilled CIBP, wsh & rotate to 11,190', circ hole clean. Left well flowing 2 days. POH w/BHA, lost 2 cones off 4 $\frac{3}{4}$ " bit. RIH w 226 jts 2 7/8", 6.5#, N-80 tbg, @ 7411'. RIH w/ rods, POH & LD rods. Left well flowing.

- 3-24-96 RIH w/rods and pump. Hung well on production.
- 4-12-96 TO 4-18-96 MIRU PU, TOH w/rods & pump. TOH w/112 jts 2 7/8" tbg, PU TAC & TIH w/tbg. PU additional 112 jts. 2 7/8" 6.5# N-80 tbg, total 337 jts. SN landed @ 11,145' KB. RIH w/rods and pump. Start well pumping. Well is pumping 120 BOPD, 250 MCFPD, 64 BWPD.

Happs: NM 89241-1980

Energy, crais, and Natural Resources Depart int

instructions on back

DISTRICT III 1000 Rio Brozos Rd. AZ NM 87410

DISTRICT II P. O. Drawer DD Artesia, NM 88211-0719 OIL CONSERVATION DIVISION P. O. Box 2088 P. C. Box 2088 Santa Fe, New Mexico 87504-2088

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

AMENDED REPORT

DIS.RICT N	2088			ngani di Albania. Pangangan						
Santa. Fe. N		7-2088	VELL LOC	·		CREAGE D	EDICATION	PLAT	··.	
Te It in the second	·'.	£ *	-roat Cade			or trains				
· Property Co.	der	1 Property N	leme	· · · · · · · · · · · · · · · · · · ·					* Yeil Number	
				٠ ا	AMES	RANCH UN	IT		16	
OGZIII Na.	· ·	* Operator N	ame	ENRON	4 OIL	& GAS CE	IMPANY	·	* Elevation	;·
•		مر مس		" SUI	RFACE	LOCATION	T			
IL or lot no. H	Section: 38	Township 22 SOUTH	30 EAST,	_	Lot lds:	Feet from the	North/South lin	330°	East/West line EAST	County EDDY
		"BOTTO	M HOLE	LOCATI	ON IE	DIFFERE	NT FROM S	URFACE		
IL or lot na.	Section	Township	Ran	i.e.	Lat ide:	Feet from the	North/South Un	e feet from the	Zast/West line	County
Dedicated Ac	res 13 10	int or Infill	14 Consolidati	lon. Code:	12 Order	Na.	<u> </u>			
								NTERESTS HA		
							1980	I hereby certificationed here to the best of Signature Printed Name Title Date SURVEYOR I hereby cellocation show plotted from surveys made my supervise.	te by me ar sion, and the and correct	TION e well actual under at the
									NN THE POST OF THE	#7920 V.H.3.

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

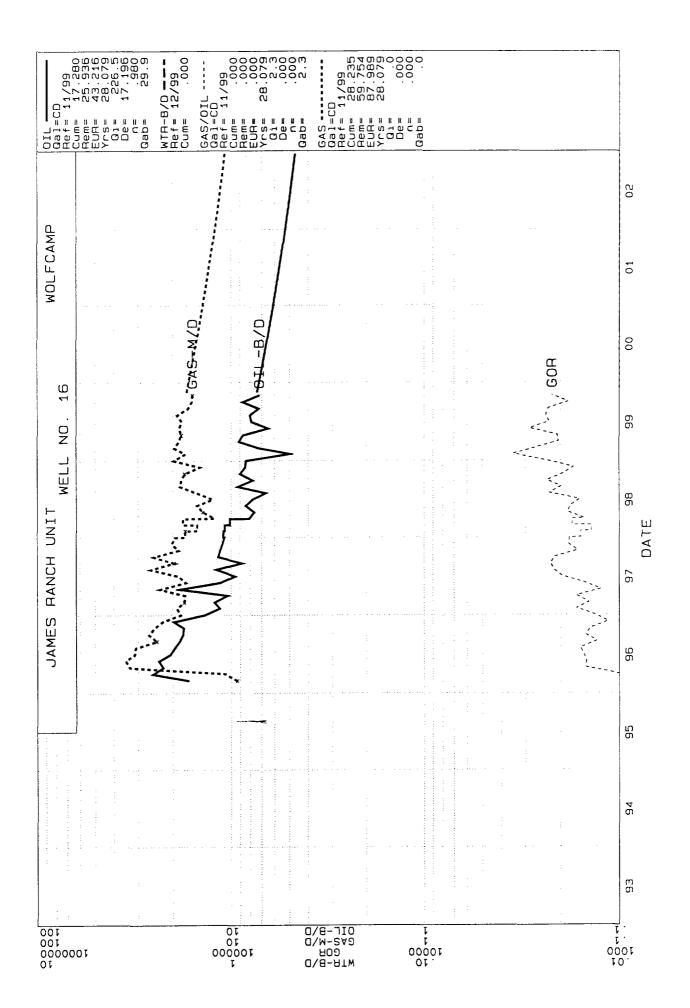
WELL JAM	IES RANCH UNIT NO. 16	FORMATION	WOLFCAMP
OCATION H UN	NIT, 1980 FEET FROM N	LINE & 330	FEET FROMELIN
ection <u>36</u> township	22S , RANGE 30E , COUNTY	EDDY	, NEW MEXICO
PUD DATE <u>12/31/95</u> CC	DMPLETION DATE 1/31/96	INITIAL PRODUCTION	1/31/96
PERFORATIONS 11,115-11,131'			
TIMULATION:			1,111
ACID 1500 GALS 15%	HCL ACID.		
	\		
FRACTURE 53	,000 GALS SPECTRA FRAC G-4000, 301,000# 20,	/40 OTTAWA SAND, & 20,:	350# 20/40 ECONOPROP.
		A STATE OF THE STA	
			· · · · · · · · · · · · · · · · · · ·
····			
OTENTIAL 1/31/96 213 BO	PD, 507 BWPD		
POTENTIAL 1/31/96 213 BO (Attach Copy of C-105. Attach Copy of Well			1.00
	bore Sketch of Completed Well.)		
		TION	
	bore Sketch of Completed Well.)	SANDS NOT	PERFORATED BUT LY PRODUCTIVE
Attach Copy of C-105. Attach Copy of Well	bore Sketch of Completed Well.) VOLUMETRIC CALCULA	SANDS NOT	
Attach Copy of C-105. Attach Copy of Well Area (A) proration unit size, acres	VOLUMETRIC CALCULA SANDS PERFORATED	SANDS NOT	
Attach Copy of C-105. Attach Copy of Well Area (A) proration unit size, acres	VOLUMETRIC CALCULA SANDS PERFORATED 40	SANDS NOT	
Attach Copy of C-105. Attach Copy of Well Area (A) proration unit size, acres Forosity (por), % Water saturation (Sw), %	SANDS PERFORATED 12.3%	SANDS NOT	
Attach Copy of C-105. Attach Copy of Well Area (A) proration unit size, acres Forosity (por), % Vater saturation (Sw), % Net Thickness (h), ft.	SANDS PERFORATED 12.3% 41%	SANDS NOT	
Attach Copy of C-105. Attach Copy of Wellinger Area (A) proration unit size, acres orosity (por), % Vater saturation (Sw), % let Thickness (h), ft. Temperature (T), Fahrenheit	SANDS PERFORATED 12.3% 41% 20.5	SANDS NOT	
Attach Copy of C-105. Attach Copy of Well Area (A) proration unit size, acres Porosity (por), % Water saturation (Sw), % Net Thickness (h), ft. Femperature (T), Fahrenheit Bottom Hole pressure (P), psia	SANDS PERFORATED 40 12.3% 41% 20.5 170	SANDS NOT	
	SANDS PERFORATED 40 12.3% 41% 20.5 170 6,006	SANDS NOT	

Commercial Determination Page #1 2/10/00

PERFORMANCE DATA

(If sufficient history exists,	attach plot of oil production rat	e v time.)		
CUMULATIVE PRODUCT	TION TO	11/30/99	;17,280	BBLS
INITIAL RATE (qi)	_	2:	26	_
ECONOMIC LIMIT (ql)		3	0	
DECLINE RATE, dy	_	Hyperbolic d =	17.19% n = .98	_
REMAINING OIL (Q) =		17,	220	_
ULTIMATE RECOVERAB	LE OIL _	34,	500	_
(Attach plat showing prora	tion unit and participating area.)		
		ECON	IOMIC	
WELL COST \$		of formation completed)		
RECOMPLETION COST \$				
TOTAL COST \$	825,000			10% NET BFIT
YEAR	GROSS OIL	REVENUE	OPERATING COST	DISCOUNTED CASH FLOW
ZERO	0	0	0	-825,000
1	6,500	139,900	23,400	111,400
2	4,200	89,400	20,900	59,500
3	3,400	49,800	18,000	25,000
4	2,800	58,000	18,600	28,000
5	2,500	64,000	19,000	28,900
6	2,100	46,000	17,700	16,500
7	1,800	37,800	17,200	10,900
8	1,600	32,100	16,700	7,400
9	1,400	28,800	16,400	5,300
10	1,300	26,200	16,200	3,900
REMAINDER	6,800	136,100	109,400	7,900

WELL IS NOT COMMERCIAL



j.

JRU #16 WOLFCAMP PREPARED BY: KENT ADAMS

DATE : 02/07/00
TIME : 13:37:12
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 41 ULTIMATE LAST EFF. DECL INIT. RATE FINAL RATE CALCULATED DATA SCHEDULING RATES SCHEDULE UNTIL PROCEDURE INPUT DATA

	1111111				11111111	1111111111	111111	1 6 6 1 1 1 1 1 1 1 1	1151111		3 2 1 2 2 3 5 6 5 1 1 1 1 2	11111111111
ITEM	SCHEDULING RATES	3 RATE		SCHEDULE UNTIL	UNTIL	PROCEDURE		ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
					l I							! ! ! ! ! !
START	11/99											
OIL.	226.48 59.92	××	B/M B/M	05/2014 AD 7.03 IMU	AD IMU	H/0.980 EXP	17.20	36.182 43.216	4/14 11/27	17.20	226.	60. 30.
GAS/OIL	2.30	2.3	10 M/B	01/2097	AD.	LIN	TIME		12/96			
START	2/96											
PRI/OIL	16.8800	×	\$/B	1/95	MM/YY	PC	00.		11/27		16.880	
z :	18.39	×	\$/B	1/96	AD	PC	00.		11/27		18.390	
	22.26	×	\$/B	1/9/	A D	PC	00.		11/27		22.260	22.260
	20.74	< >	#/# #/#	95/T	₹ ₹	ວີເ	00.		12/97		20.740	20.740
	19.43	< ×	0 /c	1/2000	3 2	י ק ע	8.6		12/98		14.430	14.430
	24.94	: ×	a/s	1/2001	A C	ָם נ	60.		00/61		24 940	24 940
_	20.67	: ×	5/B	1/2002	E C	, a	00.		12/01		0.5.00	056.52
	19.20	×	\$/B	1/2003	æ	PC -	00.		12/02		19.200	19.200
	18.18	×	\$/B	1/2004	AD .	PC	00.		12/03		18.180	18.180
	18.13	×	\$/B	J.	LIFE	PC	00.		11/27		18.130	18.130
PRI/GAS	1.8900	×	W/\$	1/95	MM/YY	PC	00.		11/27		1.890	
		×	W/\$	1/96	A	PC D4	00		1/96		1.940	
	2.61	×	8/W	1/97	AD.	PC	00.		12/96		2.610	2.610
=	2.59	×	W/\$	1/98	AD	PC	00.		12/97		2.590	
F	2.11	×	W/\$	1/99	AD.	PC	00.		12/98		2.110	
	2.27	×	W/\$	1/2000	A D	PC	00.		12/99		2.270	
	2.60	×	W/s	1/2001	2 :	PC	00.		12/00		2.600	
. ,	2.58	× ;	W/s	1/2002	AD:	D :	00.		12/01		2.580	.5
_	2.57	×	W/s	Q.	LIFE	PC	00.		11/27		2.570	2.570
OPC/T	1190.00	×	W/\$	TO	LIFE	SCH	OPC		11/27		1190.000	1190.000
STX/OIL	7.08	×	de.	OT	LIFE	PC	00.		11/27		.071	.071
STX/GAS	7.93	×	عان	O O	LIFE	PC	00.		11/27		.079	.079
ATX	.17	×	÷	TO	LIFE	PC	00.		11/27		.002	.002
PRI/OIL PRI/GAS	9100	9100	00 \$/B	5 t	LIFE	PC PC	00.		11/27		910	18.130
LSE/WI	100.0000	Q	₩	TO	LIFE	FLAT	00.		11/27		1.000	1.000
OWN/WI	100.0000	۵	میں	OT.	LIFE	FLAT	00.		11/27		1.000	1.000
LSE/RIC	12.5000	Q	oiP	TO	LIFE	FLAT	00.		11/27		.125	.125
OWN/RI	0000	Q	جد	TO	LIFE	FLAT	00.		11/27			
LSE/RIG LSE/ORR	12.5000	ΩΩ	** **	or or	LIFE	FLAT FLAT	00.		11/27		.125	.125
OWN/ORR	0000.	Q	φþ	OT.	LIFE	FLAT	00.		11/27			

INTAN 495.00
K 1 # 10
OVERLAYS SCHEDULING F 905 LOAD P.OIL OIL # 910 LOAD P.GAS GAS # 915 LOAD P.GAS GAS # 11 LOAD P.GAS GAS # 12 LOAD P.GAS GAS # 13 00 DILL # 13 00 AS 14 ANGIELES & 15 LOAD P.GAS GAS # 16 ANGIELES & 17 ANGIELES & 18 ANGIELE

TIME FRAMES: 1*11 38*12 1*600
PW 4-AGE : 10.0 DISC. FREQUENCY : 365.
PROD QUAL : CD OWNER QUAL : CD

OTHER QUAL : CD

JRU #16 WOLFCAMP PREPARED BY: KENT

02/07/00 13:37:12 JRUPA CD 41	9	TOTAL	100.000	.0.792.0	792.0	34.5	30.2	18.75		67.9	59.5	2.383		708.2	51.3	1.1	241.6		0.	0.	414.2	-377.8		304.7	-514.2
		AFTER	100.000 100.000 87.500 87.500	0.	-33.0	6.8	0.9	17.22		15.7	13.7	2.440		136.1	6.6	2.	0.001	. 0	٥.	°.	26.0	59.0	ē	7.9	14.0 -514.2
DATE TIME DBS FILE SETUP FILE SEQ NUMBER		S TOT	00	.0 825.0	825.0	27.7	24.3	19.13		52.3	45.7	2.365		572.0	41.4	6.	141.6	. 0	0.	0.	388.1	-436.9	• •	296.8 825.0	-528.2
Q H Q & &		12/05	100.000	0.00	0.	1.3	1.1	17.22		3°0	9.7	2.440		26.2	1.9	0.	£.4 £. €	? 0.	0.	0.	ص ص	. e.	ć	e. 6.	3.9
		12/04		0.00	0.	1.4	21.3	17.22		ب ب	2.5	2.440		28.8	2.1	0.	n. ←	. 0	0.	0.	12.4	12.4	ţ	5.3	5.3 -532.1
	I C S	12/03	100.000	0.00	٥.	1.6	1.4	17.27	1	3.7	w r	2.440		32.1	2.3	٠. ;	o . ₩.T	. 0.	٥.	0.	25.5	15.5	r	7.4	7.4
	M O N	12/02	100.000 100.000 100.000 87.500 87.500 87.500	0.0.0	٥.	1.8	28.9	18.29		4.	o a	2.440		37.8	2.8	r! (٠. ١٠	? O.	0.	0.	20.7	20.7	¢	10.9	10.9
	D E C O TE: 2/96	12/01	100,000	0.00	0.	2.1	3.7. 1.8	19.76	•	4.	4.6	2.450		46.0	3.3	٠. :	1 0	? •.	0.	0.	28.3	28.3		16.5	16.5 -555.7
	VES AND EFFECTIVE DATE:	12/00	.000	0.00	0.	2, 6	2.25	24.03	,	9.0	4. c.	2.470		64.0	4.6	4.	7.10	. 0.	0.	0.	45.0	45.0	c c	28.2	28.9
	ERVE EFFEC	12/99	100.000	0.00	0.	60 1	45.7	18.34	,	9 (٠٠ ١٠٠	2.140		58.0	4.2		n 0		٥.		39.4	39.4	c c	0.87	28.0 -601.1
	я В С	12/98	100.000	0.00	<u>.</u>	€ ωία Δία	36.6	13.52	i I	5.7	n	1.980		49.8	3.6	۲. ز.	C # T	0.	0.	0.	31.8	31.8		25.0	25.0 -629.1
		12/97	100.000	0.00	o.	4.1	73.5	19.83		4.	ο ί. 4. α	2.460		89.4	6.5	.1.	7.	. 0.	0.	0.	٠. د. د	68.5	и С	ر. د. 0	59.5 -654.2
		12/96	100.000 87.500	825.0	825.0	in a	122.3	21.35	•	× .	17.6	2.480		139.9	10.1	2. 5	1.61	0.	0.	0.	9.911	-708.4	***************************************	825.0	-713.6 -713.6
JRU #16 WOLFCAMP PREPARED BY: KENT ADAMS		PERIOD ENDING	OWNERSHIP 1) WORKING INTEREST, \$ 2) REVENUE INTEREST, \$	INVESTMENTS, M\$3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK	7) TOTAL	OIL PHASE 8) GROSS OIL, MB				12) GROSS GAS, MMF	14) GAS REVENIE MS		ECONOMICS, M\$	_	1	22) - AD VALOREM TAX	- 1	•	ı	27) + NPI OWNED - PAID	29) = NET INCOME 29) = INVESTMENTS & DCK	= BFIT NET	PRESENT WORTH @ 10.00 %		33) BFIT NET 34) CUM BFIT NET

7/00 7:12 A		9	TOTAL	!	495.0	.0 297.0	708.2	51.3	0.	242.7	, c	495.0	330.0	-410.8	0. 9	. 0. 8 0.14-	35.0	٥.	0.	-143.8	656.8	242.7	0.	-143.8	0.000		558.0	792.0	-234.0		449.9	818.9	-369.0	י אפרי
: 02/07/00 : 13:37:12 : JRUPA E : CD		·	ER	; ; ;	0.	-33.0	136.1	9.6	۰.	100.2	. c	? ?	0.	26.0	o. (26.0	35.0	0.	٥.	9.1	126.2	100.2	0.	1.0	6.01	. 0	16.9	-33.0	49.9			-6.1	11.2	-369.0
DATE TIME DBS FILE SETUP FILE SEQ NUMBER			€	: : : :	495.0	330.0	572.0	41.4	۰.	142.5		495.0	330.0	-436.9	o. 0	-436.9	35.0	٥.	٥.	~152.9	530.6	142.5	0.	6.751.	0 C	. 0.	541.0	825.0	-284.0		444.8	825.0	~380.2	4.000
50 T 13 13 13 13 13 13 13 13 13 13 13 13 13			~)) ! !	0.	o, o.	26.2	1.9	٥.	14.3			0.	6.6	o. 0	0.6	35.0	0.	٠	3.5	24.3	14.3	٥. ر	ν. ν. π	n c	. 0,	6.5	0.	6.5		2.5	0.	2.5	1
			7	 	0.	o. o.	28.8	2.1	٥.	14.3		. 0.	0.	12.4	0.0	12.4	35.0	0.	٥.	4.3	26.7	14.3	. ·	a. a	i -	. 0.	8.1	0.	8.1		3.5	0.	S. C.	900
	Ø		12/03	! ! !	0.	o o	32.1	2.3	٥.	14.3		. •	17.2	-1.7	o c	-1.7	35.0	0.	٥.	9	29.8	14.3	o. '	q 7.	1.01	. 0.	16.1	0.	16.1		7.7	0.	7.7	1 2 2 1
	OMIC		12/02	! ! !	0.	o. o.	37.8	2.8	0.	14.3		? ?	29.5	-8.7	0.0	.8.7	35.0	٥.	0.	-3.1	35.1	14.3		1.5. 8.5.) ()	0.	23.8	٥.	23.8		12.5	0.	12.5	1
	E C O	3: 2/96	12/01) 1 1 1 1	0.	o. o.	46.0	3.3	٥.	14.4		. 0.	29.5	-1.2	o. c	-1.2	35.0	0.	0.	4	42.7	14.4	o. •	4. 0		? o.	28.7	٥.	28.7		16.7	0.	16.7	, , , ,
	T X	EFFECTIVE DATE	12/00	;	0.	· •	64.0	4.6	0.	14.4		. 0.	30.4	14.6	0.0	14.6	35.0	•	•	5.1	59.4	14.4	· .	T. 00		· •	39.9		39.9		25.7	0.	25.7	1.00
	T E R	EFFECT	2/	1	0.	o o	58.0	4.2	•	4.4		? ?	42.6	-3.2	• •	-3.2	35.0	٥.	0.	-1.1	53.8	14.4	9.5	- T	2	? •	40.5	0.	40.5		28.8	0.	28.8) - -
	K K		12/98	! ! !	0.	o. o.	49.8	9.	o.	4. 4.	9.0	. 0.	59.6	-27.8	o. c	-27.8	35.0	°.	0.	-9.7	46.2	14.4	, c	41.7	0		41.6	0.	41.6		32.7	0.	32.7) -
			12/97	1		. o	89.4	6.5	•	14.4	. 0	? •.	78.0	-9.5	0.0	5.6-	35.0	0.	0.	-3.3	82.9	14.4	٠. ر	 	0.7	0.	71.8	0.	71.8		62.4	٥.	62.4	1 2 4 3
			12/96	SMTS, M\$	495.0	330.0	139.9	10.1		13.3	. 0	495.0	43.2	-421.6	0.0	-421.6		0.		-147.6		13.3	0.64		10	· •.	264.1	825.0	-560.9		252.4	825.0	-572.6) 1
JRU #16 WOLFCAMP PREPARED BY: KENT ADAMS			PERIOD ENDING	TAX TREATMENT OF INVESTMENTS,	1) EXP, RISK & CAP INT	2) DEPRECIABLE 3) DEPRECIABLE	4) GROSS REV. TO INTR.		6) - WPT TAX NET	7) - OPR. COSTS & ATX 8) + NDI OWNED - DAID	9) - OVERHEAD	1	•		13) - DEPLETION 14) - INTEREST DO & CAD	K	*	•	•	19) - F.I.T.		21) - OPR. COSTS & ATX	22) + NET OWNED - FAID 23) - F T T	11		ŧ	Ħ	•	29) - A.F.I.T. NET	NT WORTH @ 10	30) NET INCOME		32) A.F.I.T. NET 33) CHM A R I T NET	

JRU #16 WOLFCAMP PREPARED BY: KENT ADAMS

DATE : 02/07/00
TIME : 13:37:12
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 41

(

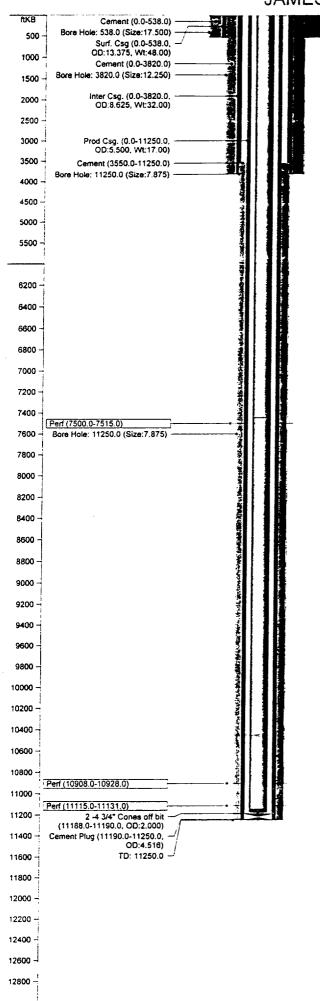
ECONOMIC INDICATORS

AS OF DATE: 2/96

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

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

	-360.076	-394.319	-432.310	-442.544	-460.435	-475.656	-528.952	-563.213	-588.258	-607.778	-623.643	-636.942	-648.357	-658.339	-667.193					
	-234 050	-269.913	-313,829	-326.397	-349.063	-368.972	-441.551	-488.799	-522.992	-549,360	-570.593	-588.244	-603.279	-616.329	-627.826	0.	16.92	16.92	.70	. 55
BONUS TABLE	-377.846	-414.898	-459.584	-472.198	-494.706	-514.189	-582,303	-623.555	-651.582	-672.034	-687.711	-700.180	-710,386	-718.933	-726.225	0.	, YRS. 16.92	YRS. 16.92	VEST52	ST37
KATE-OF-RETURN VS.	0.	2.	5.	.90	.89	10.	20.	30.	40.	50.	.09	70.	80.	.06	100.	RATE OF RETURN, PCT.	UNDISCOUNTED PAYOUT,	DISCOUNTED PAYOUT,	UNDISCOUNTED NET/INVEST	DISCOUNTED NET/INVEST



JAMES RANCH	LUNIT #16		
API No.	3001528623	Status	ACT OIL
TD	11250.0 ftKB	Engineer	KAA
PBTD	11190.0 ftKB		
Operator	BEPCO	Permit	
Well No.	16	Spud	12/31/95
ID Code Field	Localdonios	RR	1/17/96
rield	Los Medanos	Completion	3/9/96
Author	(Delaware) RAS	Last Act.	
Date Updated	12/22/97	Abandoned	
Comments	Drilled by Enron		
Location			
Township	S022	Top Latitude	0
			0
Range	E030	Top NS Distance	1980.0 ft N
Section	26	Top EW Distance	
Unit Ltr.	36 H	Bottom Latitude Bottom Longitude	0
State	NEW MEXICO	Btm NS Distance	
County	EDDY	Btm EW Distance	
Elevations		Dan Cir diotando	0.011
KB	3331.5 ft	Cas Fing	0.0 ft
Grd	3313.0 ft	Tub Head	0.0 ft
KB-Grd	18.5 ft	:	
	Surface Casing		
Item		nts ID Wt	Grd Thd
(in)	(ftKB) (ftKB)		1
13 3/8 in Surf.	0.0 538.0	11 12.715 48.0	0 H-40 STC
Csg	:		
	Intermediate Ca		
Item	Top Btm J	nts ID Wt	Grd Thd
(in)	(ftKB) (ftKB)	2000 000	. LEE 070
8 5/8 in Inter Csg.	0.0 3820.0	85 7.920 32.0	0 J-55 STC
Casing String -			Grd Thd
	Top Btm Ji (ftKB) (ftKB)	nts ID WI	Gra Ina
5 1/2 in Prod Csg.	0.0 1250.0	4.890 17.0	n :
Casing Cement		4.030 17.0	·
Casing String		mount Co	mments
ousing string	(ftKR)	(sx)	,,,,,,,
Surface Casing	0.0	390	
Intermediate Casin	g 0.0!	3159	
Production Casing		1650 TOC by Ter	np Sur.
Tubing String -			
Item			
		Jnts ID W	t Grd Thd
(in)	(ftKB) (ftKB)	(in)	1
(in) 2 7/8 in Tbg.	(ftKB) (ftKB) 0.0 7445.0	(in) 224 2.441 6.	50 N-80 8rd
(in) 2 7/8 in Tbg. 2 7/8 in TAC	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0	(in) 224 2.441 6 0.000 0	50 N-80 8rd
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in Tbg.	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0	(in) 224 2.441 6 0.000 0. 113 0.000 0	50 N-80 8rd 00 00 N-80 8rd
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0 11145.0 11146.0	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0.	50 N-80 8rd 00 00 N-80 8rd
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0 11145.0 11146.0 11146.0 11150.0	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0.	50 N-80 8rd 00 00 N-80 8rd
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0 11145.0 11146.0 11150.0 11182.0	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0.	50 N-80 8rd 00 00 N-80 8rd 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0 11145.0 11146.0 11150.0 11182.0	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0.	50 N-80 8rd 00 00 N-80 8rd 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, eq	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 11145.0 11146.0 11146.0 11150.0 11150.0 11182.0 11ip., etc.) - Plug	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0.	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, eq	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0 11145.0 11146.0 11150.0 11182.0 uip., etc.) - Plug	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, eq	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 11145.0 11146.0 11146.0 11150.0 11150.0 11182.0 11ip., etc.) - Plug	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, eq Date	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 11145.0 11146.0 11146.0 11150.0 11150.0 11182.0 11ip., etc.) - Plug	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cer Perforations Date	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 11145.0 11145.0 11146.0 11150.0 11150.0 11182.0 uip., etc.) - Plug Item Int	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cer Perforations Date 1/26/96	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 11145.0 11145.0 11146.0 11150.0 11150.0 11182.0 uip., etc.) - Plug Item Int	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back Shots (/ft) 31.0	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cer Perforations Date 1/26/96 2/2/96	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 11145.0 11145.0 11146.0 11150.0 11150.0 11182.0 uip., etc.) - Plug Item Int Item (in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back Shots (/ft) 31.0 28.0	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00	
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cer Perforations Date 1/26/96 2/2/96 2/8/96	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 11145.0 11145.0 11146.0 11150.0 11150.0 11182.0 uip., etc.) - Plug Item Int Item (in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back Shots (/ft) 31.0 28.0	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00	
(in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cer Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & T	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 11145.0 11145.0 11146.0 11150.0 11150.0 11182.0 1119.0 etc.) - Plug 1tem 11115.0 - 111 10908.0 - 109 7500.0 - 751	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back 11 Shots (/ft) 31.0 28.0 5.0	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cer Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & T	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0 11145.0 11146.0 11150.0 11182.0 uip., etc.) - Plug int 11115.0 - 111 10908.0 - 109 7500.0 - 751 reatments Interval	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back Shots (/ft) 31.0 28.0 5.0	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cer Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & T	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0 11145.0 11146.0 11150.0 11182.0 uip., etc.) - Plug int 11115.0 - 111 10908.0 - 109 7500.0 - 751 reatments Interval 11115.0 - 1111	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back 11 Shots (/ft) 31.0 28.0 5.0	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cer Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & T	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0 11145.0 11150.0 11150.0 11182.0 [uip., etc.) - Plug Item ment Plug int 11115.0 - 111 10908.0 - 109 7500.0 - 751 Freatments Interval 11115.0 - 11131.0	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back 11 Shots (/ft) 31.0 28.0 5.0	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cen Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & T Date Type 1/30/96 Sand Frac	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0 11145.0 11146.0 11150.0 11182.0 1uip., etc.) - Plug Item nent Plug Int 11115.0 - 111 10908.0 - 109 7500.0 - 751 Freatments Interval 11115.0 10908.0 - 10928.0	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back 11 Shots (/ft) 31.0 28.0 5.0 Fluid S.	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cen Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & T Date Type 1/30/96 Sand Frac	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0 11145.0 11146.0 11150.0 11182.0 uip., etc.) - Plug Item Int	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back 11 Shots (/ft) 31.0 28.0 5.0 Fluid S.	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cer Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & T Date Type 1/30/96 Sand Frac	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0 11145.0 11146.0 11150.0 11182.0 1uip., etc.) - Plug Item nent Plug Int 11115.0 - 111 10908.0 - 109 7500.0 - 751 Freatments Interval 11115.0 - 11131.0 10908.0 - 10928.0 7500.0 - 7515	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back 11 Shots (/ft) 31.0 28.0 5.0 Fluid S.	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cer Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & T Date Type 1/30/96 Sand Frac 2/3/96 Sand Frac	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0.7448.0 11145.0 11145.0 11145.0 1115.0 11182.0 uip., etc.) - Plug int	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back 11 Shots (/ft) 31.0 28.0 5.0 Fluid S.	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 00 00 00
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cen Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & T Date Type 1/30/96 Sand Frac 2/3/96 Sand Frac 2/10/96 Sand Frac Fish - Primary Fi Date Iter	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0 11145.0 11146.0 1115.0 11182.0 uip., etc.) - Plug int	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back 11 Shots (/ft) 31.0 28.0 5.0 Fluid S.	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 1nt (ffKB) 190.0 - 11250.0 Status 2.0 2.0 4.0 and Comments
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cer Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & T Date Type 1/30/96 Sand Frac 2/3/96 Sand Frac 2/10/96 Sand Frac Fish - Primary Fi	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0 11145.0 11146.0 11150.0 11182.0 uip., etc.) - Plug int 11115.0 - 111 10908.0 - 109 7500.0 - 751 11131.0 10908.0 - 10928.0 7500.0 - 7515 ish m	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 3 Back 11 Shots (/ft) 31.0 28.0 5.0 Fluid S.	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 1nt (ffKB) 190.0 - 11250.0 Status 2.0 2.0 4.0 and Comments
(in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, eq Date 1/17/96 Cen Perforations Date 1/26/96 2/2/96 2/8/96 Stimulations & T Date Type 1/30/96 Sand Frac 2/3/96 Sand Frac 2/10/96 Sand Frac Fish - Primary Fi Date Iter	(ftKB) (ftKB) 0.0 7445.0 7445.0 7448.0 7448.0 11145.0 11145.0 11146.0 11150.0 11182.0 uip., etc.) - Plug int 11115.0 - 111 10908.0 - 109 7500.0 - 751 11131.0 10908.0 - 10928.0 7500.0 - 7515 ish m	(in) 224 2.441 6. 0.000 0. 113 0.000 0. 0.000 0. 0.000 0. 0.000 0. 3 Back 11 Shots (/ft) 31.0 28.0 5.0 Fluid S.	50 N-80 8rd 00 00 N-80 8rd 00 00 00 00 00 00 00 00 00 00 1nt (ffKB) 190.0 - 11250.0 Status 2.0 2.0 4.0 and Comments

WELL HISTORY

WELL NAME:

JAMES RANCH UNIT #16

FIELD NAME:

LOS MEDANOS

LOCATION:

1980' FNL & 330' FEL SEC 36, T22S, R30E

EDD CO. NM

ELEV:

3313' GL

SPUD DATE:

12/31/95

COMP DATE:

3/9/96

ORIG TD:

11,250'

ORIG PBTD:

11,190'

CASING:

13 3/8", 48#, CSA 538', CMT W/390 SXS, CMT CIRC TO SURFACE 8 5/8", 32#, CSA 3820', CMT W/3159 SXS, CMT CIRC TO SURFACE 5 4", 17# CSA 11,250', CMT W/1650 SXS, TOC @ 3550'(TEMP SUR)

TUBING:

2 7/8" TBG @ 11, 172'

DST:

NONE

CORES & LOGS:

28 SIDEWALL CORES (1/16/96)

LOGS ??

INITIAL COMPLETION

1/26/96 TO 2/2/96 PERF, ACIDIZE & FRAC WOLFCAMP

<code>Perf 11,115-11,131 (16'-2SPF @ 60° phasing). Acidize w/1500 gals 15% HCL. Frac w/53,000 gals Sprectra Frac G-4000 + 301,000 # 20/40 Ottawa sand + 20,350# 20/40 Econoprop. SI 4 hrs for break, flow back well 3 days.</code>

2-3-96 TO 2-7-96 PERF, ACIDIZE & FRAC 3RD BONE SPRING

Tagged sand plug @ 11,006', tested to 4000# using methanol, no leak-off. Perf—Bone Spring Fm @ 10,908-28' (20'-40 shots). Acidize w/1000 gals 15% HCL. Frac w/48,000 gals Sprectra Frac G-4000 + 350,000# 20/40 sand + 30,000# 20/40 Econoprop. Flow well back 5 days.

2-8-96 TO 2-11-96 PERF, ACIDIZE & FRAC DELAWARE (BRUSHY CANYON "V" SAND)

Set CIBP @ 10,796', tested to 4000#. Perf 7500-15' (15' 61 SHOTS 0° phasing. Acidized w/2,000 gals 15% HCL. Frac w/24,500 gals Spectra-Frac G-3000 + 52,000# 20/40 Brady sand + 20,000# 20/40 ACFRAC CR-4000 (RCS). Flow well back, well died, swabbed well.

WELL HISTORY
JAMES RANCH UNIT #16
PAGE 2

2-23-96 RU Apollo Wireline, run after frac survey. RD, left flowing, 77 BO, 36 BW on 64/64" ck., 10 psi FTP.

2-27-96 to 3-6-96 Attempt to put on Artificial Lift

Attempt to run tbg, rods and pump. Parted tbg and had to fish. Caught fish & LD. Well KO & flowed.

3-8-96 to 3-12-96 Drill Out CIBP and Commingle Wolfcamp, Bone Spring & Delaware Perfs

Drilled CIBP @ 10,796. Top sand plug @ 11,006, wash and rotate, chased CIBP to 11,095'. Drilled CIBP, wsh & rotate to 11,190', circ hole clean. Left well flowing 2 days. POH w/BHA, lost 2 cones off 4 $\frac{1}{4}$ " bit. RIH w 226 jts 2 7/8", 6.5 $\frac{1}{4}$, N-80 tbg, @ 7411'. RIH w/ rods, POH & LD rods. Left well 'flowing.

3-24-96 RIH w/rods and pump. Hung well on production.

4-12-96 TO 4-18-96 MIRU PU, TOH w/rods & pump. TOH w/112 jts 2 7/8" tbg, PU TAC & TIH w/tbg. PU additional 112 jts. 2 7/8" 6.5# N-80 tbg, total 337 jts. SN landed @ 11,145' KB. RIH w/rods and pump. Start well pumping. Well is pumping 120 BOPD, 250 MCFPD, 64 BWPD.

amergy, serais, and Vactival Resources Depart, at

CVISES UZ-10-94

instructions on back

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

DISTRICT III
1000 Ria Brazos Rd.
Ar NM 87410

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

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

AMENDED REPORT

API Number		•	2 Pagi Code		3 Pos	L Name	·····			
Property Co.	ia	³ Property N	ame		AVEC	BANGU TIN			· Yell Number	
OGZUL NO.		4 Operator N		ال	AWE?	RANCH UN	LI		16	
JULIA NO.	·	- Operacor .		ENRON	1 OIL	& GAS CE	IMPANY		* Elevation 3316	ş .
				" SUI	RFACE	LOCATION	Ī	-		
L or lot no. H	Section 36	Township 22 SOUTH	Ran 30 EAST.		Lot Ids	Feet from the 1980*	North/South I	ine feet from the	East/West line EAST	EDDY
		"BOTTO	M HOLE	LOCATI	ON IF	DIFFERE	NT FROM	SURFACE		
L or lot no.	Section	Township.	Ran	ie.	Lot ide	Feet from the	North/South	ine Feet from the	East/West line	County
Dedicated Ac	res (3 Jo	int or Infill	16 Consolidati	on Code	12 Order	Ya.		-	·	
								INTERESTS HAVE BY THE DIVISION		
							1980· 330·	OPERATOR I hereby certificantained here to the best of Signature Printed Name Title Date SURVEYOR I hereby cellocation show plotted from surveys made my supervise same is true best of my to the surveys of the surveys and the surveys are supervised from surveys and supervise same at surveys and the surveys are supervised from the surveys are	CERTIFICA rtify that the on this plant in on this plant in the original in the original in the original in and the origin, and the origin, and the original in the original i	TION le well actual under at the
<u> </u> 			; ; ; ; ; ;						NN H	#7920 V.H.ā.

→						
Accordance Acc			New Mexico annai Resources Depart			Forms C-105 Revised 1-1-59
715:31 14 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DIL CONSERV	ATION DIVISION	$^{\!$	च्या २०१ २००. 30 015 286:	23
היייות ב			Box 2088 Aexico 87504-2088	<u>'</u>	. Indicate Type or Le	
7.0. Drawer DD. Are	=== NM 88210	Sama Pa, New N	MEXICO 0/304-2000			STATE WE FIE [
DICTOIL TO	AZE NM 87410			á	Sizie Oil & Garie E-4229-4	ue No.
WELL	COMPLETION OF	R RECOMPLETION F	REPORT AND LOG	7/		
1. Type or Well: Off Weil!	N GAS WELL	DRY COTHER		1 7	Losse Name or Uni	Agreement Name
_ بندن		DKI COMEX	•			WC
b. Type of Compacion NEW World Well [7] GVER		FLUIG COST COST COST COST COST COST COST COST	· ! crifice]]	ames Ranch U	Init (4060)
. Наше от Орегатот				1 8	. Weil No.	
	il & Gas Compa	iny			_	16
Agerties of Operato					. FOOL DAME OF WHICH	
West Laceston	······································	end, Texas 79702			os Medanos D	elaware (40297)
Unit Letter	<u>H</u> : 1980	Feet From TheROY 5	h Line and _	330	Feet From The	east iim
Section 1. Data Souggest	36	Townsin 225	Renges 30E ay to Prod.) (11 Elevi	NM		County
12-31-95	1-14-96	2-9-96	TT TIEN	3313'		3313'
. Toui Depui	16. Plug Back T	D. 17. If Muz	gale Compt. How 18.	E PAIS	Rousy Tools	Cable Tools
11250	1121		(00es/	Duffer RA	Χ	
), of this completion - To	p, Bottom, Name	٠.		W. Mee [Directional Survey Made
7300-7515		·				Мо
i. Type Eicerse and Or Dual Ind Lar	teriogskus rerolog Spec	Density Dual S	anced Nuetron		22. Was Well Cores	No
1		······································				
a, m. a			D (Report all strings			:(СТВ-Т-717 (
CASING SIZE	WEIGHT LE/F	T. 1 DEPTH SET 1 538.	HOLE SIZE !		ENTING RECORD 30 sx ?ram ?	
3_5/9	1 32	3820			c Pram Plus	
	1		1	1500 2:	rem 50/50 Po	z i Circulatec
3_1/0	1 7	11250	1 7-7/8	1650 s:	: Prem 50/50	poz TOC 3550
	ı	i				iber semp surv
		NER RECORD	 	<u> : 25. </u>	TUBING F	
<u> </u>	TOP :	BOTTOM SACKS	CEMENT SCREEN			TH SET PACCES SET
<u> </u>	<u>'</u>	,			7/8 7	401
े विकास सम्बद्धाः	ac (incryal size an		1 77 ACT	SHOT E	تعربين أوالم	ENT. SOUBEZE ETC.
			DEPTH INTE			KIND MATERIAL USED
11,115-11,13	31 (.32" 32) 18 (.32" 40)		11115-11		Sand plug 3	
7500+7515	(.30" 61)		10903-10		CIBP @ 10.7	
. 500-7515	(.30 01)		1 ##7500-75			ar gel, 43760 gal
					-3000 w/52,0	00# 20/40 Brady B
4 First Frontaction	? ?	icuos Masos (Fianne, fas	: щі, ритоня — біле ана гуре ј	cuma)	;	Status (Prod. or Saus-a)
2-10-96 4 or Test		Core sure : 5:54 a	Flowing	Gu - MC.		(d.) (d.) (d.) (d.) (d.) (d.) (d.) (d.)
2-13-96	Hours Testes 24	64/64 Test Pe		100	121	438
* 1 - 1 Press	Class Fremire 400	Cumum 24 Oil - 8 Hour Rue			- BbL Cil C	10.5
	ed, usea for fuel, versea.	ue.;			Tex Witnessed 3	у
<u>a 1 d</u> Lia Ammonu		<u>. — — — — — — — — — — — — — — — — — — —</u>		70	4 2502 25	10 frac 07 4000
					i ibuu gala mou40 pakha	AC frac CR 4000
	the minimizer snown		m is true and complete to t			
						:
	· Y·Iji		Paren 0:13aa	ء در , ـــ	eculatory An	alvson 2/14/95.

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

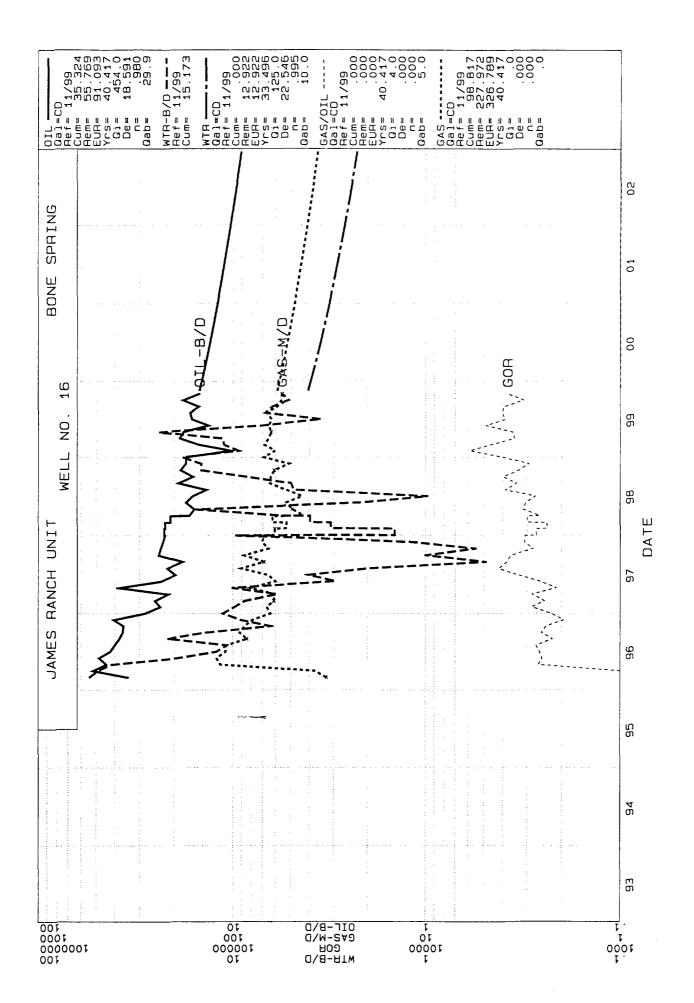
WELL JA	MES RANCH UNIT NO.	16	FORMATION	BONE SF	RING
LOCATION H	UNIT, 1980	FEET FROM N	LINE & 33	0 FEET FROM	<u> </u>
SECTION 36 TOWNSHIP		30E , COUNT	Y EDI	DY	_, NEW MEXICO
SPUD DATE 12/31/95	COMPLETION DATE	2/4/96	INITIAL PRODUCTION		2/4/96
PERFORATIONS 10,908-10,928	3'				
STIMULATION:					
ACID 1000 GALS 15	% HCL ACID.				
FRACTURE	48,000 GALS SPECTRA I	RAC G-4000, 350,000#	20/40 OTTAWA SAND, 8	30,000# 20/40 ECG	ONOPROP.
POTENTIAL 2/7/96 133 BC	OPD, 155 BWPD, 350 MC	FPD.			==/:
Attach Copy of C-105. Attach Copy of W	***************************************				
	VC	DLUMETRIC CALCUL	ATION		
		SANDS PERFORATED		NOT PERFORATED E	
Area (A) proration unit size, acres	40		<u></u>		
Porosity (por), %	12.0%				
Vater saturation (Sw), %	50%				
rater saturation (SW), 70					
•	37		<u> </u>		
Net Thickness (h), ft.	37 170				
Net Thickness (h), ft. Temperature (T), Fahrenheit					
Net Thickness (h), ft. Temperature (T), Fahrenheit Bottom Hole pressure (P), psia	170		<u> </u>		
Net Thickness (h), ft. Temperature (T), Fahrenheit Bottom Hole pressure (P), psia Recovery factor (RF), % Recoverable oil, BBLS *(See eq. below)	170 5,896				
Net Thickness (h), ft. Temperature (T), Fahrenheit Bottom Hole pressure (P), psia Recovery factor (RF), %					
Net Thickness (h), ft. Temperature (T), Fahrenheit Bottom Hole pressure (P), psia Recovery factor (RF), %	170 5,896 17% 83,653	·.			

Commercial Determination Page #1 2/10/00

PERFORMANCE DATA

(If sufficient history exists,	attach plot of oil production	rate v time.)		
CUMULATIVE PRODUCT	TION TO	11/30/99	;35,324	_ BBLS
INITIAL RATE (qi)			454	
ECONOMIC LIMIT (ql)			30	
DECLINE RATE, dy		Hyperbolic d	= 18.59% n = .98	_
REMAINING OIL (Q) =			48,976	
ULTIMATE RECOVERAB	LE OIL		84,300	_
(Attach plat showing prora	tion unit and participating are	ea.)		
		EC	ONOMIC	
WELL COST \$	825,000 (to the dept	th of formation completed)		
RECOMPLETION COST \$. 0	_		
TOTAL COST \$	825,000			
YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW
ZERO				
	0 17.400	0	0	-825,000
1	13,400	311,700	36,200	263,300
2	8,600	204,700	29,600	152,100
3	6,900	116,500	23,000	73,400
4	5,800	136,300	24,600	79,900
5	4,900	145,100	25,100	77,200
6	4,100	104,900	22,200	48,200
7	3,500	86,300	20,800	34,500
8	3,100	73,400	19,800	25,500
9	2,800	65,500	19,200	20,000
10	2,500	59,300	18,800	15,800
REMAINDER	28,600	683,300	378,900	65,500

WELL IS COMMERCIAL



DATE : 02/07/00 TIME : 13:37:27 DBS FLE : JRUPA

N H	PUT DAT	A 7		;	1	CAL	CULAT	ED DAT	4
нвриг		TIL	PROCEDURE		Į.	LAST	EFF. DECL		FINAL RATE
454.03 X B/M 11/2014 AD 109.68 X B/M 18.67 IMU	Þ		H/0.980 EXP	18.59 5.00	72.424 91.093	10/14 3/40	18.59	454.	110. 30.
3.97 5.00 M/B 01/2097 AD			LOG	TIME		12/96			
125.00 X B/M 07/2015 AD 24.89 X B/M 3.48 IMU			H/0.995 EXP	5.00	9.438	6/15 4/33	22.55	125. 25.	25.
02/96									
X \$/B 1/96	<	ž.	PC	00.		3/40		16.880	
\$/B 1/96	_		۲ ک	00.		3/40		18.390	
я/s			5 P4	00.		12/97		20.740	
x \$/B 1/99			PC	00.		12/98		14.430	
X \$/B	_		PC	00.		12/99		19.250	
x 5/B 1/2001 X 5/B 1/2002	_		7 <u>5</u>	00.		12/00		20.670	20.670
X \$/B 1/2003			PC	00.		12/02		19.200	
18.18 X \$/B 1/2004 AD 18.13 X \$/B TO LIFE	_ 🖫		PC	00.		12/03		18.180	18.180 18.130
1/95 X	7.	⊁	D 6	00.		3/40		1.890	
E // S			7 2	00.		12/96		2.610	
x \$/M 1/98			PC -	00.		12/97		2.590	
66/I W/\$ X	_		PC	00.		12/98		2.110	
W/S X	_		D G	00.		12/99		2.270	2.270
1/5007 W/S X			, ב	8.6		12/01		2 580	2.500
OT W/\$	E		. D	00.		3/40		2.570	2.570
1190.00 X \$/M TO LIFE	H		SCH 0	OPC		3/40		1190.000	1190.000
7.08 X \$ TO LIFE 7.93 X \$ TO LIFE	FE FE		PC PC	00.		3/40		.071	170.
.17 X & TO LIFE	H		PC	00.		3/40		.002	.002
91009100 \$/B TO LIFE 13001300 \$/M TO LIFE	冠 冠		PC PC	00.		3/40		910	18.130 2.570
100.0000 D & TO LIFE	E		FLAT	00.		3/40		1.000	1.000
100.0000 D % TO LIFE	F.E		FLAT	00.		3/40		1.000	1.000
12.5000 D % TO LIFE	ĵr.	ш	FLAT	00.		3/40		.125	.125
.0000 D & TO LIFE	124	ъ	FLAT	00.		3/40			
12.5000 D % TO LIFE .0000 D % TO LIFE	퓓포	• • • • • • • • • • • • • • • • • • • •	FLAT FLAT	00.		3/40		.125	.125

	0.	~ .		
	FINAL RATE	ESC. T&I&R) ; ; ; ;	
	INIT. RATE	TOT. T&I&R		
	BFF. DECL	RISK INV.		8
3/40	LAST 2/00 2/00 2/00	MONTH 2/96 3/40	i i i i	OTHER QUAL :
	ULTIMATE 35.767 100.485 15.173	TOTAL T&I 825.000 -33.000		отн
00.	}	!		365. CD
FLAT	PROCEDURE	PROCEDURE	ITEM	FREQUENCY : 365. QUAL : CD
LIFE	UNTIL	AD LIFE		1*600 DISC.)
OT	SCHEDULE UNTIL	TIME 02/96 TO	98.82	1*11 38*12 1*600 10.0 DISC. CD A OWNER
*	A RATES	TANGIBLES & INTANGIBLES 330.00 495.00 M\$G -33.00 .00 M\$G	ITEM	TIME FRAMES : PW %-AGE : PROD QUAL :
0000	SCHEDULING RATES	TANGIBLES & INTAN 330.00 495.00 -33.00 .00	AMETERS NO NO 35.32	4PTIONS 2/96 2/96 2/96
761 OWN/ORR	OVERLAYS 905 LOAD E 915 LOAD E	INVESTMENT 800 DRILL 801 SALVAGE	RESERVE PARAMETERS 201 LOSS NO 205 CUMO, MB 31	PROJECT ASSUMPTIONS

· » -.

(

DATE : 02/07/00
TIME : 13:37:27
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 42

RESERVES AND ECONOMICS

2/96
7
DATE:
EFFECTIVE

12/97 12/98 12/99 12/00 12/01 12/02 12/02 12/03 12/0				I :	EFFEC	EFFECTIVE DATE	E: 2/96	ı						9 00
REWENUE INTEREST, # 100.000 100.000 100.000 100.000 100.000 100.000 100.000 REVENUE INTEREST, # 100.000 100.00	PERIOD ENDING	_	12/97	12/98	12/99	12/00	12/01	12/02	12/03	12/04	12/05	S TOT	AFTER	TOTAL
NEW PRINCE INTEREST, # 100.000 100.0000 100.0000 100.0000 100.0000 100.0000 100.0000 100.0000 100.0000 100.0000 100.0000 100.00000 100.00000 100.00000 100.00000 100	OWNERSHIP	ι	1 1 1 1 1		1 1 1 1 1 1 1	i i i) ; ; ;	1 1 1 1	1 ; ; ;	1 	 		
PHASE PHASE GROSS CIL, MB TOTAL BY SERVENTE, 8/8 PHASE GROSS WATER, MB TOTS STATER, MB TOTAL BY SERVENTE, 8/B TOTAL GROSS WATER, MB TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL BY SERVENTE, 8/B TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL BY SERVENTE, 8/B TOTAL TOTA		100.000	100,000	100.000	100.000	100.000 87.500	100.000 87.500	100.000	87.500	100.000	100.000 87.500	100.000 87.500	100.000 87.500	100.000
BORROWED CAPITAL BORROWED CAPITAL BORROWED CAPITAL BORROWED CAPITAL TOTAL TOTAL BOSS 0. 0 0. 0 0. 0 0. 0 0. 0 0. 0 0. 0 0	INVESTMENTS, M\$													
EQUITY INVESTMENTS 825.0	3) BORROWED CAPITAL	C	C	C	c	C	O.	c	c	C	-	C	c	,
FISK TOTAL B25.0 .0 .0 .0 .0 .0 .0 .0 .	4) FOULTY INVESTMENTS	825.0			0	0	0			2 0	0	825.0	-33.0	792.0
TOTAL PHASE GROSS OLL, MB 113.4 8.6 6.9 5.8 4.9 4.1 3.5 OLL REVENUE, M\$ 113.4 8.6 6.9 5.8 4.9 4.1 3.6 3.1 OLL REVENUE, M\$ OLL REVENUE, M\$ 28.1 28.4 28.5 19.93 13.5 18.2 18.2 18.3 18.2 18.3 18.2 18.3 18	5) RISK	0.	0	0.	0.	. •	. 0.	. 0.	9.0	. 0	0	0.		
## BHASE GROSS OLL, MB 113.4 8.6 6.9 5.8 4.9 4.1 3.5 NET OLL, MB 117 7.5 6.1 5.1 4.3 3.6 3.1 OLL REVENUE, M\$ 250.1 149.3 82.0 93.8 103.8 70.2 56.3 OLL REVENUE, M\$ 250.1 149.3 82.0 93.8 103.8 70.2 56.3 DHASE GROSS GAS, MMP GROSS GAS, MMP GROSS GAS, MMP SA, 9 4.1 3.5 DHASE GROSS GAS, MMP ANTER CAS, MMP TO SA, 19.83 13.52 18.34 24.03 19.76 18.29 1 NET GAS, MAP GROSS GAS, MMP ANTER CAS, MAP ANTER CAS, MAP ANTER CAS, MAP ANTER PRICE, \$/MCF CROSS CAS, MAP ANTER PRICE, \$/MCF ANTER CAS, MS CROSS CAS, MAP ANTER PRICE, \$/MCF CROSS CAS, MAP ANTER CROSS CAS, MAP ANTER CROSS CAS, MAP ANTER CROSS CAS, MAP ANTER CROSS CAS, MAP ANTER CROSS CAS, MAP ANTE		825.0	0.	0.	0.	0.	٥.	0.	0.	0.	0.	825.0	-33.0	792.0
OLL REVENUE, MS	OIL PHASE			•€										
GROSS OLL, MB 13.4 13.4 13.6 GROSS OLL, MB 11.7 13.6 GROSS GAS, MMF 13.7 GROSS HATER, MB 7.5 13.7 7.5 13.6 13.6 13.7 13.6	• • • • • • • • • • • • • • • • • • • •													
NET OIL, MB 11.7 17.5 18.1 18.29 18.29 19.10 18.29 19.10 19.11 18.29 19.11 18.29 19.11 18.29 19.11 18.29 19.11 18.29 19.11 18.29 19.11 18.29 19.11 19.12 19.11 19.12 19.11 19.12 19.13 19.14 10.19 10.10 10.00	8) GROSS OIL, MB	13.4	8,6	6.9	5.8	4.9	4.1	3.8	3.1	2.8	2.5	55.7	28.6	84
OIL REVENUE, M\$ 250.1 149.3 82.0 93.8 103.8 70.2 56.3 PHASE PHASE GROSS GAS, MMF 28.4 25.8 19.9 23.0 19.1 16.2 14.1 NET GAS, MMF 24.9 22.5 17.4 20.1 16.7 14.2 12.3 GAS REVENUE, M\$ 61.6 55.5 34.5 43.1 41.2 34.7 30.0 GAS PRICE, \$/MCF 2.480 2.460 1.980 2.140 2.470 2.450 2.440 2.8 R PHASE GROSS WATER, MB 7.5 1.7 1.5 4.1 1.4 1.1 .9 MATER PRICE, \$/B .000 .000 .000 .000 .000 .000 .000 .0		11.7	7.5	6.1	5.1	4.3	3.6	3.1	2.7	2.4	2.2	48.7	25.1	73.6
GROSS GAS, MAP GROSS GAS, MAP GROSS GAS, MAP GROSS GAS, MAP GROSS GAS, MAP GRAS PRICE, \$/MCF CAS		250.1	149.3	82.0	93.8 18.34	103.8	10.2	56.3	46.9	41.8	37.8	932.0	431.6	1363.5
GAS GAS, MAP NET GAS, MAP NET GAS, MAP NET GAS, MAP NET GAS, MAP NET GAS, MAP S4.9 22.5 17.4 20.1 16.7 14.2 12.3 GAS PRICE, \$/MCF 2.480 2.460 1.980 2.140 2.450 2.440 2.450 GAS PRICE, \$/MCF S.480 2.460 1.980 2.140 2.450 2.440 2.440 2.450 GAS PRICE, \$/MCF S.490 2.460 1.980 2.140 2.450 2.440 2.440 2.450 GAS PRICE, \$/MCF S.490 2.460 1.980 2.140 2.450 2.440 2.4	GAS PHASE													
NET GAS, MAF GAS REVENUE, MS GAS REVENUE, MS GAS PRICE, \$/MCF CAS CAS CAS CAS CAS CAS CAS CAS CAS CAS	12) GROSS GAS, MMP	α	25.8	6	23.0	19.1		14		ן, [[- 01	180 0	117.9	297
GAS REVENUE, M\$ 61.6 55.5 34.5 43.1 41.2 34.7 30.0 GAS PRICE, \$/MCF 2.480 2.460 1.980 2.140 2.470 2.450 2.440 2.400 2.600 GAS PRICE, \$/MCF 2.480 2.460 1.980 2.140 2.470 2.450 2.440 2.400 2.000 GAS PRICE, \$/MCF 2.480 2.460 1.980 2.140 2.470 2.450 2.440 2.440 2.450 2.440 2.450 2.440 2.450 2.450 2.440 2.450 2.450 2.440 2.450 2.450 2.440 2.450 2.450 2.440 2.450 2.450 2.440 2.450 2.450 2.440 2.450 2.440 2.450 2.450 2.440 2.450 2.450 2.440 2.450 2.450 2.440 2.450 2.440 2.450 2.440 2.450 2.440 2.450 2.440 2.450 2.400 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	13) NET GAS MMF	. 4	200	17.4	202	16.7		12.3	0 0 0		. a	157.5	C FOL	760 7
GROSS WATER, MB 7.5 1.7 1.5 4.1 1.4 1.1 .9 NET WATER, MB 7.5 1.7 1.5 4.1 1.4 1.1 .9 NOMICS, M\$ CROSS REV. TO INTR. 311.7 204.7 116.5 136.9 145.1 104.9 86.3 CROSS REV. TO INTR. 311.7 204.7 116.5 136.9 145.1 104.9 86.3 CROSS REV. TAX AD VALOREM TAX - SEV. TAX - AD VALOREM TAX - SEV. TAX - OPERATING COSTS - INTEREST PAID - CAPITAL REPAYMENT - ON 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14) GAS REVENUE. MS	: ;;	N 101	34.5	43.1	41.2		30.0	26.5	23.8	21.5	372.	251.7	624.1
GROSS WATER, MB 7.5 1.7 1.5 4.1 1.4 1.1 .9 NET WATER PRICE, \$/B .000 .000 .000 .000 .000 .000 NOMICS, M\$ NOMICS, M\$ SEV. TAX .22.6 15.0 8.5 10.1 10.6 7.7 6.4 - SEV. TAX .311.7 204.7 116.5 136.9 145.1 104.9 86.3 - SEV. TAX .5 .3 .3 .2 .2 .2 .2 .2 - OPERATING COSTS .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	15) GAS PRICE, \$/MCF	48	2.460	1.980	2.140	2.470	**	2.440	2.440	2.440	2.440	2.36	2.440	2.394
GROSS WATER, MB NET WATER, MB 7.5 1.7 1.5 4.1 1.4 1.19 WATER PRICE, \$/B 0.000 .0000 .0000 .0000 .0000 .0000 .0000 NOMICS, M\$ CROSS REV. TO INTR. 311.7 204.7 116.5 136.9 145.1 104.9 86.3 SEV. TAX - SEV. TAX - OPERATING COSTS 13.1 14.3 14.3 14.3 14.3 14.3 14.3 - NUBERTY REPAYENT - OPERATING COSTS - INVESTMENTS & RSK 825.0 .0 .0 .0 .0 .0 - INVESTMENTS & RISK 825.0 .0 .0 .0 .0 - O.0 .0	WATER PHASE													
NOMICS, M\$ NOMICS, M\$ NOMICS, M\$ CROSS REV. TO INTR. 311.7 204.7 116.5 136.9 145.1 104.9 86.3 SEV. TAX OPERATING COSTS OPERATING COSTS INTEREST PAID INTEREST PAID INTERSTMENTS & RISK 825.0 OPERATING COSTS INTERSTMENTS & RISK 825.0 INTERSTMENTS & RISK 8	16) GROSS WATER, MB	7.5	1.7	1.5	4.1	1.4	1.1	6.	89.	7.	9.	20.2	3.9	24.
NOMICS, M\$ NOMICS, M\$ NOMICS, M\$ CROSS REV. TO INTR. 311.7 204.7 116.5 136.9 145.1 104.9 86.3 - SEV. TAX - AD VALOREM TAX - OPERATING COSTS 13.1 14.3 14.3 14.3 14.3 14.3 14.3 - CAPITAL REPAYNENT - CAPITAL REPAYNENT - INTEREST PAID - INVESTMENTS & RSK 825.0 - INVESTMENTS & RISK 825.0 - SENT WORTH @ 10.00 \$ - SENT WORTH @ 10.00 \$ - SENT WORTH & 10.00	17) NET WATER, MB	7.5	1.7	1.5	4.1	1.4	1.1	ο.	89.	.7	9.	20.2	9. 9.	24.1
GROSS REV. TO INTR. 311.7 204.7 116.5 136.9 145.1 104.9 86.3 - SEV. TAX 22.6 15.0 8.5 10.1 10.6 7.7 6.4 - AD VALOREM TAX 22.6 15.0 8.5 10.1 10.6 7.7 6.4 - AD VALOREM TAX 22.6 15.0 8.5 10.1 10.6 7.7 6.4 - AD VALOREM TAX 22.6 15.0 8.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	18) WATER PRICE, \$/B	000.	000.	000.	000.	000.	000.	000.	000.	000.	000.	000.	000.	000.
GROSS REV. TO INTR. 311.7 204.7 116.5 136.9 145.1 104.9 86.3 - SEV. TAX 22.6 15.0 8.5 10.1 10.6 7.7 6.4 - DO VALOREM TAX 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	ECONOMICS, M\$													
- SEV. TAX - SEV. TAX - SEV. TAX - SEV. TAX - SUD - OPERATING COSTS - 13. 14.3 14.3 14.3 14.3 14.3 14.3 14.3	19) GROSS REV. TO INTR.	311.7	CA	116.5	136.9	145.1	104.9	86.3		65.5	59.3	1304.4	683.3	1987.7
- AD VALOKEM TAX - 5		22.6		8.5	10.1	10.6	7.7	6.4		4. 80.	4.4	95.5	50.5	146.
- CAPITAL REPAYMENT		ī.		. 2	7.		7	۲.		٠. :	τ.	2.1	1.1	m ;
- SWD - CAPITAL REPAYMENT		13.1		14.3	14.3	14.3	14.3	14.3		14.3	14.3	141.6	327.3	468.
- CAPITAL KEPAYMENT . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 .	•	0.		0.	0. (o.	0. (0.	0.	0.	0.	0.	0.	0.
- INTEREST PAID - 1 NUMBER ST PA	ı	o. (0.	ə. (o. '	0.	o. '	0.	o. '	٥.	0.	٥.	•
+ NET LOWINED - PAID	1			0.	o. «	o. (o. "	o. '	o. '	0.	0.	o. «	o. '	•
= NET INCOME - INVESTMENTS & RSK 825.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	+	0. 10.		•	0.	- (0. %	٠ ۱		o. (D	0.
= BFIT NET	ii .	0.075	7.6/1		112.4	7.7.7	8.78	0 0 0		4. 0. 0.	4. U.	2.5901	3.404 2.50	1369.
SENT WORTH @ 10.00 % NET INCOME 263.3 152.1 73.4 79.9 77.2 48.2 34.5 INVESTMENTS & RISK 825.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	Щ	-549.4	175.2	93.5	112.4	σ	82.8	2	53.6	46.3	40.5	240.2	337.5	577.7
NET INCOME 263.3 152.1 73.4 79.9 77.2 48.2 34.5 INVESTMENTS & RISK 825.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	PRESENT WORTH @ 10.00 %													
D. D. D. D. D. D. D. D. D. D. D. D. D. D		ω. I	152.1	73.	79.9	77.2		34		20.0	15.8	789.9	65.5	855.4
		n .) · ·		0.00			7) i	0.0	0. 4	825.0	1.2	823.8
2.11 (9.4) 13.4 (9.9)	33) BFIT NET	i	152.1	73.4	6.67	7.7.		4.0	25.5	20.02	2. r.	-35.1	8.66	7

AFTER TAX ECONOMICS

DATE : 02/07/00
TIME : 13:37:27
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 42

EFFECTIVE DATE: 2/96

				70440	IIVE DAI	E: 2/30							AV 8 CF
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	TOTAL
TAX TREATMENT OF INVESTMENTS,	ENTS, M\$! ! ! !	1 	 	; ; ; ; ;	1 1 1 1 1
	495.0	٥.	0,	°.	٥.	0.	0.	٥.	o.	٥.	495.0	٥.	495.0
2) DEPLETABLE	0.	٥.	٥.	٥.	٥.	٥.	٥.	٥.	٥.	٥.	٥.	0.	0.
3) DEPRECIABLE	330.0	0.	0.	٥.	0.	0.	٥.	٥.	٥.	0.	330.0	-33.0	297.0
TAX CALCULATIONS, M\$													
4) GROSS REV. TO INTR.	311.7	204.7	116.5	136.9	145.1	104.9	86.3	73.4	65.5	59.3	1304.4	683.3	7,7891
5) - SEVERANCE TAX	22.6	15.0	25.	10.1	10.6	7.7	6.4	5.4.	4.	4.	95.5	50.5	146.0
6) - WPT TAX NET	0.	٥.	٥.	٥.	٥.	0.	0.	0.	0.	0.	0.	0.	0.
	13.6	14.6	14.5	14.5	14.5	14.4	14.4	14.4	14.4	14.4	143.7	328.3	472.0
+	0.	°.	٥.	0.	٥.	0.	٥.	0.	٥.	0.	٥.	0.	0.
1	0.	٥.	0.	0.	٥.	0.	٥.	0.	٥.	٥.	٥.	٥.	٥.
ı	495.0	٥.	٥.	0.	٥.	0.	۰.	0.	٥.	٥.	495.0	٥.	495.0
•	43.2	78.0	59.6	42.6	30.4	29.5	29.5	17.2	٥.	0.	330.0	0.	330.0
Ħ	-262.6	97.2	33.8	69.8	89.5	53.3	36.1	36.4	46.3	40.5	240.2	304.5	544.7
ı	٥.	°.	٥.	0.	٥.	0.	0.	0.	٥.	0.	٥.	٥.	0.
•	0.	٥.	٥.	٥.	٥.	0.	0.	0.	0.	0.	0.	0.	0.
- TAXABLE	-262.6	97.2	33.8	8.69	89.5	53.3	36.1	36.4	46.3	40.5	240.2	304.5	544.7
*	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
	٥.	°.	°.	0.	٥.	0.	٥.	0.	0.	0.	0.	٥.	0.
ı	٥.	0.	0.	٥.	0.	0.	0.	٥.	0.	0.	0.	0.	0.
19) = F.I.T.	-91.9	34.0	11.8	24.4	31.3	18.7	12.6	12.7	16.2	14.2	84.1	106.6	190.6
	289.1	189.8	107.9	126.9	134.5	97.2	6.64	68.0	60.7	54.9	1208.9	632.8	1841.7
	13.6	14.6	14.5	14.5	14.5	14.4	14.4	14.4	14.4	14.4	143.7	328.3	472.0
	٥.	٥.	0.	٥.	٥.	0.	0.	0.	0.	0.	0.	0.	0.
	-91.9	34.0	11.8	24.4	31.3	18.7	12.6	12.7	16.2	14.2	84.1	106.6	190.6
ĸ	367.5	141.2	81.6	87.9	88.6	64.1	52.9	40.8	30.1	26.3	981.1	197.9	1179.0
	٥.	٥.	0.	٥.	٥.	0.	0.	٥.	0.	0.	0.	0.	0.
	٥.	٥.	٥.	0.	٥.	0.	٥.	0.	0.	0.	٥.	0.	0.
_	367.5	141.2	81.6	87.9	88.6	64.1	52.9	40.8	30.1	26.3	1.186	197.9	1179.0
	825.0	٥.	٥.	٥.	٥.	0.	٥.	0.	٥.	٥.	825.0	-33.0	792.0
29) = A.F.I.T. NET	-457.5	141.2	81.6	87.9	88.6	64.1	52.9	40.8	30.1	26.3	156.1	230.9	387.0
PRESENT WORTH @ 10.00 %													
8													
	351.1	122.6	64.1	62.5	57.0	37.3	27.9	19.5	13.0	10.3	765.3	42.6	807.9
	825.0	٥.	٥.	0.	٥.	٥.	٥.		٥.	٥.	825.0	-1.2	823.8
	-473.9	122.6	64.1	62.5	57.0	37.3	27.9	19.5	13.0	10.3	-59.7	43.8	-15.9
33) CUM. A.F.I.T. NET	-473.9	-351.3	-287.2	-224.6	-167.6	-130.3	-102.4		-70.0	-59.7	-59.7	-15.9	-15.9

DATE : 02/07/00
TIME : 13:37:27
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 42

ECONOMIC INDICATORS

AS OF DATE: 2/96

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

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

387 031	410.032 264.043 376.155	228.624 130.775 173.144	180.962 95.569 124.325	99.253 34.847 44.054	31.628 -15.900 -19.658	-186.835 -184.879 -214.401	-308.548 -284.118 -319.236	-387.528 -351.370 -387.187	-443,460 -400.789 -435.750	-485.440 -439.118 -472.706	-518,303 -470,025 -502,106	-544.865 -495.691 -526.279	-566.880 -517.495 -546.662	-585.496 -536.352 -564.190	4, PCT. 11.4 9.4	PAYOUT, YRS. 5.50 5.82	OUT, YRS. 13.54 32.83	VET/INVEST. 1.73 1.49	r/INVEST. 1.04 .98
0.	2.	IJ.	.9	.88	10.	20.	30.	40.	50.	.09	70.	80.	.06	100.	RATE OF RETURN, PCT.	UNDISCOUNTED PAYOUT,	DISCOUNTED PAYOUT, YR	UNDISCOUNTED NET/INVEST	DISCOUNTED NET/INVEST

Thd

STC

Thd

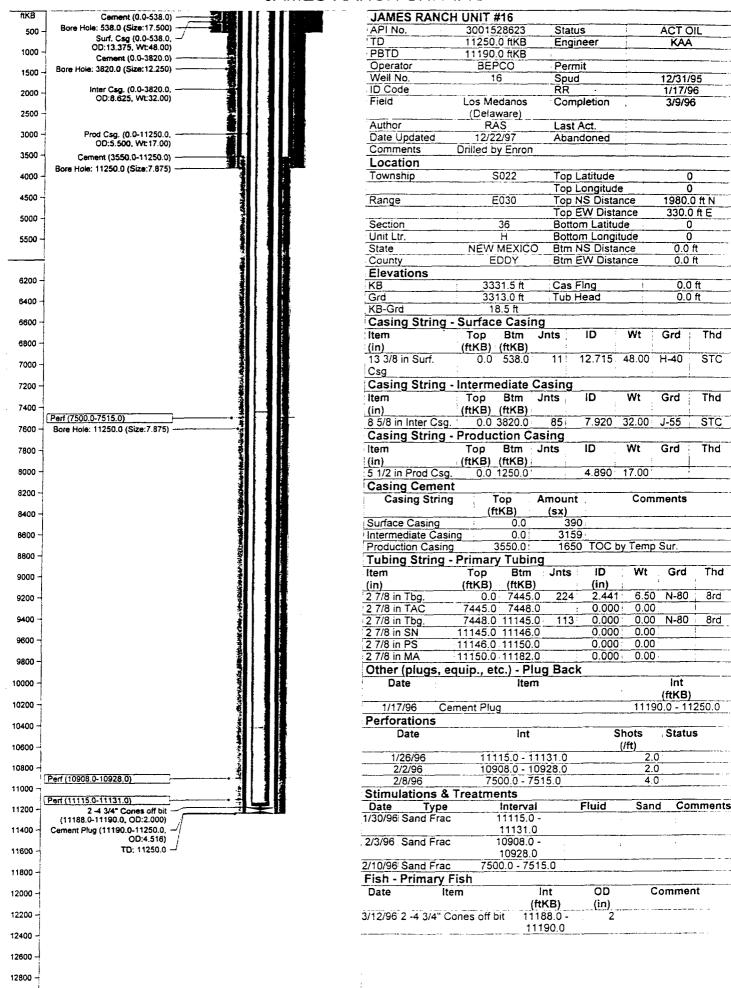
STC

Thd

Thd

8rd

8rd



WELL HISTORY

WELL NAME:

JAMES RANCH UNIT #16

FIELD NAME:

LOS MEDANOS

LOCATION:

1980' FNL & 330' FEL SEC 36, T22S, R30E

EDD CO. NM

ELEV:

3313' GL

SPUD DATE:

12/31/95

COMP DATE:

3/9/96

ORIG TD:

11,250'

ORIG PBTD:

11,190'

CASING:

13 3/8", 48#, CSA 538', CMT W/390 SXS, CMT CIRC TO SURFACE 8 5/8", 32#, CSA 3820', CMT W/3159 SXS, CMT CIRC TO SURFACE 5 \(\frac{1}{2}\)', 17# CSA 11,250', CMT W/1650 SXS, TOC @ 3550'(TEMP SUR)

TUBING:

2 7/8" TBG @ 11, 172'

DST:

NONE

CORES & LOGS:

28 SIDEWALL CORES (1/16/96)

LOGS ??

INITIAL COMPLETION

1/26/96 TO 2/2/96 PERF, ACIDIZE & FRAC WOLFCAMP

Perf 11,115-11,131 (16'-2SPF @ 60° phasing). **Acidize** w/1500 gals 15% HCL. **Frac** w/53,000 gals Sprectra Frac G-4000 + 301,000 # 20/40 Ottawa sand + 20,350# 20/40 Econoprop. SI 4 hrs for break, flow back well 3 days.

2-3-96 TO 2-7-96 PERF, ACIDIZE & FRAC 3RD BONE SPRING

Tagged sand plug @ 11,006', tested to 4000# using methanol, no leak-off. Perf Bone Spring Fm @ 10,908-28' (20'-40 shots). Acidize w/1000 gals 15% HCL. Frac w/48,000 gals Sprectra Frac G-4000 + 350,000# 20/40 sand + 30,000# 20/40 Econoprop. Flow well back 5 days.

2-8-96 TO 2-11-96 PERF, ACIDIZE & FRAC DELAWARE (BRUSHY CANYON "V" SAND)

Set CIBP @ 10,796', tested to 4000#. Perf 7500-15' (15' 61 SHOTS 0° phasing. Acidized w/2,000 gals 15% HCL. Frac w/24,500 gals Spectra-Frac G-3000 + 52,000# 20/40 Brady sand + 20,000# 20/40 ACFRAC CR-4000 (RCS). Flow well back, well died, swabbed well.

WELL HISTORY
JAMES RANCH UNIT #16
PAGE 2

2-23-96 RU Apollo Wireline, run after frac survey. RD, left flowing, 77 BO, 36 BW on 64/64" ck., 10 psi FTP.

2-27-96 to 3-6-96 Attempt to put on Artificial Lift

Attempt to run tbg, rods and pump. Parted tbg and had to fish. Caught fish & LD. Well KO & flowed.

3-8-96 to 3-12-96 Drill Out CIBP and Commingle Wolfcamp, Bone Spring & Delaware Perfs

Drilled CIBP @ 10,796. Top sand plug @ 11,006, wash and rotate, chased CIBP to 11,095'. Drilled CIBP, wsh & rotate to 11,190', circ hole clean. Left well flowing 2 days. POH w/BHA, lost 2 cones off 4 $\frac{1}{4}$ " bit. RIH w 226 jts 2 7/8", 6.5 $\frac{1}{4}$, N-80 tbg, @ 7411'. RIH w/ rods, POH & LD rods. Left well 'flowing.

3-24-96 RIH w/rods and pump. Hung well on production.

4-12-96 TO 4-18-96 MIRU PU, TOH w/rods & pump. TOH w/112 jts 2 7/8" tbg, PU TAC & TIH w/tbg. PU additional 112 jts. 2 7/8" 6.5# N-80 tbg, total 337 jts. SN landed @ 11,145' KB. RIH w/rods and pump. Start well pumping. Well is pumping 120 BOPD, 250 MCFPD, 64 BWPD.

P_ 0. Box 1980 Hobbs. NM 88241-1980

Artesia, NM 88211-0719

1 Rio Brazos Rd.

DISTRICT II
P. O. Drawer DD

DISTRICT III

Energy.

State of New Mexico zerals, and Natural Resources Depart. .at

Farm C-102 Revised 02-10-94

Instructions on back

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

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

AMENDED REPORT

A 5. NM 87410 DISTRICT IV P. O. Box 2088 Santa Fe, NM 87507-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT I API Number 2 Pagi Cade 3 Pool Name · Property Code Property Name Well Number JAMES RANCH UNIT 16 OGRID No. Operator Name * Elevation ENRON OIL & GAS COMPANY 3316" "SURFACE LOCATION IL or lot no. Section Township Lot Ida | Feet from the North/South line | Feet from the East/West line Range 22 SOUTH 30 EAST, N.M.P.M. 1980' H 38 NORTH 330, EAST EDDY "BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE Lot Ide | Feet from the | North / South line | Feet from the | East / West line OL or lot so. Section Township Dedicated Acres 13 Joint or Infill 14 Consolidation Cods 15 Order No. NO ALLOWABLE WELL 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 cartify that the information contained herein is true and complete to the best of my knowledge and belief. Signature 1980' Printed Name Title Date SURVEYOR CERTIFICATION 330 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 OCTOBER 25, 1995 Signature and Saci SHE OF NEW MEXIC *‡*7920

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

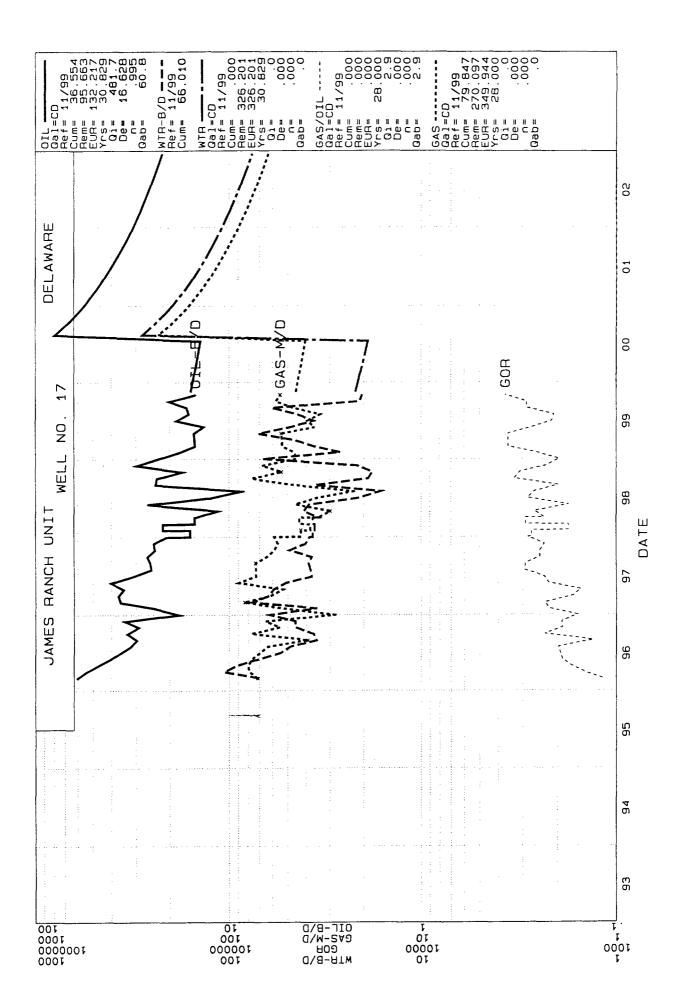
WELL DATA

OCATION		JAI	MES RANCH T	UNIT NO.	17		FORMATIC_		DELAW	/ARE
OCKTION		F	_UNIT,	2080	_ FEET FROM_	N_	LINE &	1980	_ FEET FROM	WLIN
ECTION	6	TOWNSHIP	235	, RANGE	31E,	COUNTY		EDDY		, NEW MEXICO
PUD DATE		12/14/93	_ COMPLETIC	ON DATE	2/8/9	96	_ INITIAL PRO	DUCTION		2/8/96
ERFORATIO	NS	7547-7557'		·						
TIMULATIO	N:		<u> </u>							
	ACID_	1200 GALS 7	7-1/2% HCL /	ACID + AI	ODITIVES & 30	RCN BAL	LL SEALERS.			
•	FRACT	ure	18,000 GAI	LS DOWEL	L 30# XL GEL	ex 76,000	# 20/40 BRA	DY SAND.		
									- , , , , , , , , , , , , , , , , , , ,	.
				,,						
OTENTIAL		2/23/96 135	BOPD, 66 BV	WPD, 64 M	CFPD.	<u>. </u>			 ,	
		2/23/96 135 Attach Copy of V				<u> </u>			-	
				th of Compl	leted Well.)	CALCULA	ATION			
				th of Compl		CALCULA	ATION			
				th of Compl	leted Well.)		s		PERFORATED E Y PRODUCTIVI	
	of C-105	. Attach Copy of		th of Compl	umetric c		s			
Attach Copy o	of C-105	. Attach Copy of		vol	umetric c		s	OTENTIALL		
Attach Copy o	of C-105	. Attach Copy of size, acres		VOL	umetric c		s	OTENTIALL 40		
Attach Copy of	of C-105 ation unit %	. Attach Copy of size, acres		40 12.0%	umetric c		s	40 15.0%		
Attach Copy of Attach	of C-105 ation unit % on (Sw), (h), ft.	Attach Copy of States acres		40 12.0%	umetric c		s	40 15.0% 63%		
Attach Copy of Area (A) prora orosity (por), Vater saturation let Thickness (witon unit (h), ft. (r), Fahre	Attach Copy of States acres		40 12.0% 60%	umetric c		s	40 15.0% 63% 40		
Attach Copy of Area (A) prora orosity (por), Vater saturation let Thickness (Temperature (T	win (Sw), (h), ft. T), Fahre ressure (F	Attach Copy of States acres head of States		40 12.0% 60%	umetric c		s	40 15.0% 63% 40 120		

PERFORMANCE DATA

46 60 4 4 4					
(If sufficient history exists, a					
CUMULATIVE PRODUCT	IUN IU	11/30/99		BBLS	051 W ID
DUTIN		PRC	DUCING		BEHIND PIPE
INITIAL RATE (qi)			482		2,128
ECONOMIC LIMIT (41)			60		60
DECLINE RATE, dy (Hyper	DOIIC, n = .995)		6.63%		69.15%
REMAINING OIL (Q) =	F 011		1,146		38,000
ULTIMATE RECOVERABL			25,700		
(Attach plat showing prorati	on unit and participating ar	ea.)			
		ECC	ONOMIC		
WELL COST \$	570,000 (to the dep	oth of formation complet	ed)		
RECOMPLETION COST \$	65,000 (8/2	000)			
TOTAL COST \$	635,000				
				10% NET BFIT DISCOUNTED	
YEAR	GROSS OIL	REVENUE	OPERATING COST	CASH FLOW	-
ZERO	0	0	0	570,000	_
1	12,500	280,300	49,900	219,200	_
2	10,600	235,900	45,200	164,200	_
3	6,100	96,100	32,600	49,500	-
4	6,700	142,800	37,400	74,300	-
5	13,500	369,700	49,700	204,200	-
6	15,000	351,500	49,700	174,200	-
7	9,400	208,100	37,300	89,200	_
8	6,900	145,800	32,000	53,800	_
9	5,400	114,600	29,300	36,500	_
10	4,500	94,500	27,400	25,900_	_
REMAINDER	35.200	747.400	424.300	78.300	

WELL IS COMMERCIAL



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

700 LSE/WI	570 PRI/OIL 575 PRI/GAS	565 ATX	555 STX/OIL 560 STX/GAS	550 OPC/T	544 PRI/WTR 545 "	55 U 59 O	537 "	536 "	535 "	504	722 :		526 *	525 *	524 "	523 *		520		518 "	516 PRI/OIL 517 "	450 START	440 WTR/OIL 445 "	435 START	430 GAS/OIL	425 START	410 OIL 415 " 420 "	405 START		ITEM	•
100.0000	9100 1300	.17	7.08 7.93	1600.00	.5000	2.57	2.60	2.27	2.11	2.59	1.94 3 61	1.8900	18.13	18.18	19.20	20.67	24.94	14.43	20.74	22.26	16.8800	01/96	1.41 3.50	11/99	2.88	11/99	481.70 2524.60 108.36	46/11	34 (00)	SCHEDULING RATES	
Đ	9100 1300	×	××	×	. 5000 X	× >	< ×	×	×	× >	< ≻	××	×	×	×	× :	× >	< ×	×	×	××		Х 3.50		2.90		×××			RATES	
æ	0 \$/M	eșe.	* *	M/\$	\$/u \$/u	K/S	× ×	\$/M	S/M	(A) (3)	n √ Z Z	\$/M	\$/8	\$/B	\$/8	S/B	y - 4/	c 45/B	\$/8	\$/B	\$/B		U/B		M/B		B/M B/M				I N
ТО	o o	TO	i i	то	1/2000 TO	TO TO	1/2001	1/2000	1/99	1/98	1/97	1/95	b	1/2004	1/2003	1/2002	1/2001	1/2000	1/98	1/97	1/95 1/96		08/ 3 000		11/2027		08/2000 05/2019 11.12			SCHEDULE UNTIL	PUT D
LIFE	HIFE	LIFE	LIFE	LIFE	AD LIFE	LIFE	8 8	AD	AD T	3 3	ě	XX/WW	LIFE	AD.	A U	đ i	8 8	8 8	AD	AD	MM/YY AD		AD LIFE		AD	•	AD IMU			UNTIL	ATA
FLAT	D.G.	ЭС	DQ DQ	SCH	PC	D.G.	8 8	PC	PC	ה	, C	8 8	PC	PC	PC	Ď.	ָרָלָ מ	D C	PC	Od	ያ ያ		LIN		LOG		H/0.995 H/0.995 EXP			PROCEDURE	
. 00	.00	.00	.00	OPC	. 00	, , ,	. 00	.00	.00			. 00	. 00	.00	. 00	. 00	000	. 00	.00	. 00	. 00 00		5.30 TIME		TIME		16.63 69.15 5.00			1 (5)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
																		•									40.618 121.100 132.217			ULTIMATE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
8/30	8/30 8/30	05/8	8/30 8/30	8/30	12/95 12/95	8/30	12/00	12/99	12/98	12/97	12/95	8/30	8/30	12/03	12/02	12/01	72/00	12/98	12/97	8/30	8/30 8/30		7/00 8/30		10/27		7/00 4/19 8/30			LAST	CAL
																							5.30				16.63 69.15 5.00			EFF, DECL	CULAT
1.000	910 130	.002	.071	1600.000	.500	2.570	2.600	2.270	2.110	2.590	1.94U	1.890	18.130	18.180	19.200	20.670	24 940	14.430	20.740	22.260	16.880 18.390		1.407				2525. 108.			INIT. RATE	ED DAT
1.000	18.130 2.570	.002	.071	1600.000	. 500	2.570	2.600	2.270	2.110	2.590	3 610		18.130	18.180	19.200	20.670	24 940	14.430	20.740	22.260			1.351				424. 108. 61.			FINAL RATE	A

PROJECT ASSUMPTIONS	201 L 205 C 210 L	RESERVE PARAMETERS	800 DRILL 801 WORKOVER 802 SALVAGE	INVESTMENT	905 LOAD 910 LOAD 915 LOAD	OVERLAYS	761 OWN/ORR	740 LSE/RIG 760 LSE/ORR	721 OWN/RI	720 LSE/RIC	701 OWN/WI
CT AS DATE DATE DATE	CUMO, L	VE PA	00 DRILL 01 WORKOVE 02 SALVAGE	IMENT	DAD DAD	AYS	MN/ORI	SE/RI	WN/RI	SE/RI	IM/NI
SUMPT	NO ON	RAMET		. нз	₽.0 2.0 ¥.0	· 0	70				
IONS 1/96 1/96	36.55	ERS	240.00	TANGIBLES	P.OIL OIL # P.GAS GAS P.WATER WTR	CHEDU	.0000	12.5000	.0000	12.5000	100.0000
	55	:			Z #	LING	0	00	0	0	0
TIME FRAM PW %-AGE PROD QUAL	0		330.00 M\$G 65.00 M\$G .00 M\$G	TINI	#	SCHEDULING RATES	D	םם	ש	U	Ħ
TIME FRAMES PW %-AGE PROD QUAL	CUMG, MMF	ITEM	.00 M\$G .00 M\$G	& INTANGIBLES			*	40 40	de	**	*
	MMF	, <u>, </u>		ES							
1*12 38*12 1*600 10.0 DISC	79.85		01/96 8/2000 TO	TIME		SCHE	70	i o	oī	5	To
38*12	85			(2)		SCHEDULE UNTIL	_		_	_	_
1*600 DISC.			AD AD LIFE			NTIL	LIFE	LIFE	LIFE	LIFE	LIFE
∞ ·	CUMI	ITEM		! '5		: <u>1</u> 2	_			_	_
FREQUENCY QUAL	CUML, MB		Ö	PROCEDURE		PROCEDURE	FLAT	FLAT	FLAT	FLAT	FLAT
 G				URE		JRE.					
365. CD		! ! !	. 00			! ! !	. 00	. 00	. 00	. 00	. 00
			ı U	TOTA		ULTIMATE					
0		! ! !	570.000 65.000 -24.000	TOTAL T&I	37.000 81.486 66.010	MATE					
ТНЕК		! ! !				- LA	œ	00 00	æ	60	80
OTHER QUAL :		! ! !	1/96 8/ 0 8/30	HTNOM	2/00 2/00 2/00		8/30	8/30 8/30	8/30	8/30	8/30
: CD		I i i		RISK		EFF.					
J		! !		INV.		DECL					
		! !									
		: !	570.0 65.0 -24.0	TOT. T&I&R		INIT. RATE		.125		. 125	1.000
		: 6 ! !						25		25	00
		t 	570.0 65.0 -24.0	ESC. TalaR		FINAL RATE					سو
		1 		& I & R		RATE		. 125		.125	1.000

JRU #17 DELAWARE PREPARED BY: KENT ADAMS

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

RESERVES AND ECONOMICS EFFECTIVE DATE: 1/96

PERIOD ENDING OMNERSHIP 1) WORKING INTEREST, * 2) REVENUE INTEREST, * INVESTMENTS, M\$ INVESTMENTS, M\$ INVESTMENTS CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	12/96 100.000 87.500 570.0	12/97 100.000 87.500	12/98 100.000 87.500	12/99 100.000 87.500	12/ 100.0 87.5	DATE: 1/96 00 12/01 00 100.000 00 87.500 .0 .0 .0 .0 .0 .0	12/02 100.000 87.500	12/03 100.000 87.500	12/04 100.000 87.500	12/05 100.000 87.500	S TOT 100.000 87.500 635.0 635.0	AI 100. 87.	28.7 YR AFTER TOTAL 100.000 100.000 87.500 87.500 -24.0 611.0 -24.0 611.0
BORROWED CAPITAL EQUITY INVESTMENTS RISK TOTAL PHASE GROSS OIL, MB NET OIL, MB OIL REVENUE, M\$ OIL PRICE, \$/B	.0 570.0 570.0 12.5 11.0 234.0	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	NN	15. 13. 19.7	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0 .0 .0 .0 .0	.0 .0 .0 .0 .0 .0 .0 .0 .1 .7 .4 .7	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		635.0 635.0 635.0 90.5 79.2 1543.5	
GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	21.3 18.7 46.3 2.480	24.2 21.2 52.1 2.460	14.0 12.2 24.2 1.980	18.5 16.2 34.6 2.140	39.4 34.5 85.1 2.470	43.2 37.8 92.6 2.450	27.1 23.7 57.9 2.440	19.8 17.3 42.2 2.440	15.6 13.6 33.3	12.9 11.3 27.5 2.440	N JANN	236.0 206.5 495.9 2.402	36.0 101.8 106.5 89.0 195.9 217.3
WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	20.2 20.2 .500	17.1 17.1	12.3 12.3	15.1 15.1	37.2 37.2 .080	52.4 52.4	32.9 32.9	24.0 24.0 .080	18.9 18.9 .080	15.6 15.6		245.7 245.7 245.7	245.7 123.2 245.7 123.2 .191 .080
ECONOMICS, M\$	280.3 20.2 4 19.2 10.1 .0 .0 .0 .0 .2 339.3	235.9 17.1 17.1 19.2 8.5 8.5 0.0 190.7	96.1 7.2 19.2 6.2 6.2 .0 .0 63.6	142.8 10.4 19.2 19.2 7.6 0.0 .0 .0 .0 .0 .0 .0 .0	369.7 26.9 26.9 19.2 3.0 .0 .0 .0 .0 320.1 65.0	351.5 25.7 2.6 19.2 4.2 .0 .0 .0 .0 .0 .0	208.1 15.2 1.9.2 2.6 2.6 0.0 170.7	145.8 10.7 19.2 19.2 1.9 .0 .0 .113.8	114.6 8.4 19.2 19.2 10.0 0 0 85.3	94.5 6.9 19.2 1.2 0 .0 67.0	1 1 2	2039.3 148.6 3.2 192.0 46.8 0.0 .0 1648.7 635.0 1013.7	2039.3 747.4 148.6 54.8 3.2 1.2 192.0 358.4 46.8 9.9 .0 .0 .0 .0 .0 .0 1648.7 323.2 635.0 -24.0 1013.7 347.2
PRESENT WORTH @ 10.00 \$ 11) NET INCOME 12) INVESTMENTS & RISK 13) BFIT NET 14) CUM BFIT NET	219.2 570.0 -350.8 -350.8	164.2 .0 164.2 -186.7	49.5 .0 49.5 -137.1	74.3 .0 74.3 -62.8	204.2 41.1 163.1 100.3	174.2 .0 .174.2 .274.5	89.2 .0 89.2 363.7	53.8 .0 53.8 417.4	36.5 .0 36.5 453.9	25.9 .0 25.9 479.9		1091.0 611.1 479.9 479.9	1091.0 78.3 611.1 -1.4 479.9 79.7 479.9 559.5

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

ì

AFTER TAX ECONOMICS

PRESENT WORTH @ 10.00 \$	20) REVENUE-SEV-WPT 21) - OPR. COSTS & ATX 22) + NPI OWNED - PAID 23) - F.I.T. 24) = A.F.I.T. 25) - LOAN REPAYMENT 26) - INTEREST PAID 27) = NET INCOME 28) - INVESTMENTS & RSK 29) = A.F.I.T. NET	TAX CALCULATIONS, M\$	PERIOD ENDING 12/96 TAX TREATMENT OF INVESTMENTS, MS 1) EXP, RISK & CAP INT 330.0 2) DEPLETABLE 3) DEPRECIABLE 240.0
263.8 570.0 -306.2	260.1 29.8 .0 -46.9 277.2 .0 .0 277.2 570.0	280.3 20.2 29.8 29.8 330.0 331.0 34.3 -134.0 0 -134.0 35.0 0	12/96 ENTS, MS
124.4 .0 124.4 -181.8	218.8 28.1 46.2 144.5 .0 144.5 .0 144.5	235.9 17.1 17.1 28.1 .0 .0 58.8 131.9 35.0 131.9	12/97
43.6 .0 43.6 -138.1	25.5 7.6 7.6 .0 56.0 .0 56.0	22 25 25 25 25 25 25 25 25 25 25 25 25 2	12/98
55.7 55.7 55.7	132.4 27.0 26.4 79.0 .0 79.0 79.0	142.8 10.4 27.0 27.0 30.0 75.4 35.0	12/99
152.0 41.1 110.9 28.5	342.8 22.8 21.8 238.3 .0 238.3 .0 238.3 .0 238.3	369.7 26.9 22.8 65.0 23.1.4 233.6 233.6 81.8	2/99 12/00 :
117.6 .0 117.6 146.1	325.8 23.9 98.1 203.7 .0 .0 203.7 .0 203.7	351.5 25.7 23.9 23.9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/01
61.9 .0 61.9 207.9	192.9 22.2 0 52.3 118.5 .0 .0 .118.5	208.1 15.2 .0 22.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/02
36.7 .0 36.7 244.6	135.1 21.3 .0 .0 36.1 77.7 .0 .0 .0 .77.7	145.8 110.7 -0 21.3 -0 10.7 10.7 10.3.1 103.1 103.1 103.1 103.1	12/03
23.7 .0 .23.7 23.7 268.4	106.2 20.9 29.9 55.5 .0 55.5 .0 55.5	114.6 8.4 20.9 20.9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/04
16.9 .0 16.9 285.2	23.5 23.5 43.6 43.6 43.6	94.5 6.9 20.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/05
896.3 611.1 285.2 285.2	1890.7 242.1 .0 354.8 1293.9 .0 .0 1293.9 635.0 658.9	2039.3 148.6 0 242.1 0 249.0 395.0 240.0 1013.7 1013.7 35.0 35.0	S TOT 395.0
50.9 -1.4 52.3 337.5	692.7 369.4 .0 113.1 210.1 .0 .0 210.1 .0 210.1 .234.1	747.4 54.8 369.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	AFTER .0 .0 .24.0
947.2 609.7 337.5 337.5	2583.4 611.5 .0 .0 467.9 1504.0 .0 .0 1504.0 611.0 893.0	2786.8 203.4 0 611.5 .0 395.0 240.0 1336.9 1336.9 35.0	28.7 YR TOTAL 395.0 216.0

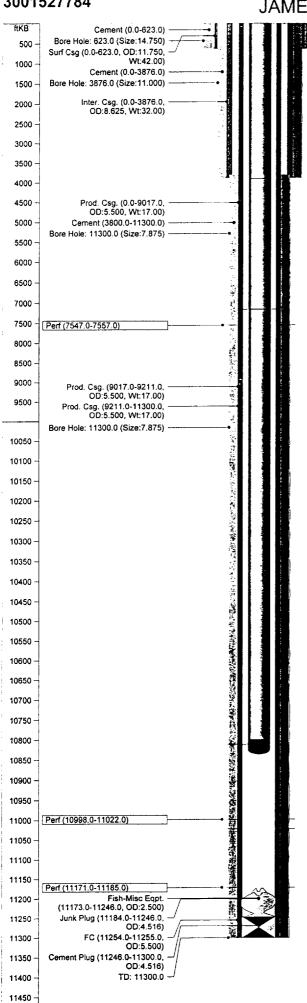
JRU #17 DELAWARE PREPARED BY: KENT ADAMS

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

j

ECONOMIC INDICATORS

AS OF DATE: 1/96



Stimu	lations & Tre	atmen	ts (con't)				
Date	Type	Type In		nterval i		Sand	Comments
0/19/95	Sand Frac	11171.0 -					122
		11	185.0				
12/6/95	Sand Frac-	10998.0 -					-
	Re-frac	11022.0					
2/6/96	Sand Frac	7547.0 - 7557.0					1
Fish -	Primary Fish	i				·	· · · · · · · · · · · · · · · · · · ·
Date	Item		Int		OD	Comment	
			(ftKB)		(in)		
10/23/95 Fish-Misc Eqpt		. 11173.0 -		-	2 1/2	See rpt for	
			11246.0			10/16/95-	

WELL HISTORY

WELL NAME:

James Ranch Unit No. 17

FIELD NAME:

Los Medanos (Bone Spring)

LOCATION:

2080' FNL & 1980' FWL, Sec 6, T23S, R31E, Unit F,

Eddy County, NM

ELEV:

3310.6' GL; 3327.3' KB

SPUD DATE:

12/14/93

COMP DATE:

1/21/94 (RR 1/9/94)

ORIG TD:

11,300'

ORIG PBTD:

11,254'

CURRENT PBTD:

11,254

CASING:

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

7-7/8" hole 3876-11,300'.

TBG:

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

DST:

CORES & LOGS:

1/7/94 Ran Caliper/Gamma/Spectral, Density/Dual Spaced Neutron/Dual

Lateralog/Micro-SFL.

1/22/94 Ran CBL/GR/CCL 10,900-11,234' & 7,000-8,000'.

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

7557, 7552'.

INITIAL COMPLETION:

1/22/94-2/9/194

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

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

in attempt to stabilize prod.

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

WORKOVERS:

11/26/94-12/20/94

STIMULATE WELL

Pumped E-Z Clean treatment w/5400 gals E-Z clean w/CO2 w/70 quality foam. Flush

w/2800 gals 50 quality foam.

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

JAMES RANCH UNIT NO. 17 WELL HISTORY

10/13/95-3/20/96

RECOMPLETE AND FRACTURE STIMULATE

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

10/16/95

Perf 11,171-185', 2 SPF. Set Guiberson perm pkr @ 11,080'. Frac 11,171-185' w/24,000 gals Spectra Frac G-4000 40# XL gel, 132,280# 20/40 Ottawa sd, & 20,000# 20/40 Econoprop. Flow test well. Test: 24 hrs F 225 BO, 50 BW, 504 MCF on 16/64" chk. Set tbg plug w/no-go in "R" nipple @ 11.108' & attempt to shear off plug, no jar action. Slickline equipment stuck w/sd in the permanent pkr. Fish & mill pkr for 4 weeks at a cost of \$227,000. Did not recover fish. Fish consists of slickline sinker bars, 5' millout ext., cross over, 10' 2-3/8" tbg sub, type "F" profile nipple, 10' 2-3/8" tbg sub, type "R" profile nipple. While running GR/CCL tagged top of fish (slickline sinker bars) @ 11,173'. Using washpipe tagged mill out ext. @ 11, 184'. Swab well & it began to flow. Flow test well. Test: 124 BO, 19 BW, 242 MCF on 12/64" chk. Tag fill @ 11,180'. Set 5-1/2" Fas-Drill BP @ 11,130' w/10' sd on top. **Spot** 200 gals 15% HCL acid + additives 10,998-11,022'. BD perfs @ 2250 psi @ 1.7 BPM. Acidize w/2000 gals 15% HCL + additives, dropping 120 1.3 SG RCN ball sealers evenly spaced. No ball action. Frac 10,998-11,022' w/34,100 gals 40# Spectrofrac, 2900 gals 40# Liner gel, & 100,000# sd. Flow well. Tag sd fill @ 11,018'. Wash sd 11,018-120'. Swab well. Flow test well. Test: 24 hrs F 85 BO, 145 BW, 187 MCF on 16/64" chk. FTP 100#. Set BP @ 10,500' w/20' industrial sd on top.

2/3/96

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

10/13/95-3/20/96

CONTINUED

1/24/00 RAS

JAMES RANCH UNIT NO. 17 WELL HISTORY

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

AWO: 3/20/96 24 hrs P 170 BO, 74 BW, 230 MCF. 10-31 BOL. Turn over well operations to Enron @ 10:00 a.m. MST 3/20/96.

8/1-4/96 INSTALL PUMPING UNIT

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

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

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

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

1/24/00 RAS 2160-3 ne 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

DEC 10 1995

FORM APPROVED Bucret Buress No. 1004-1135 | Expires Mares 31, 1943

SUNDRY NOTICES AND REPORTS ON WELLS

RESELVED

5. Lase Designation and Seria No. NM 02887-D

a. if bount, Allocus or Those Name

Wester Shut-Off

Conversion to Injection

	inii or to deeden or reentry to a different reservoir. 18 PERMIT—" for such proposals	
SUBMI	T IN TRIPLICATE	7. If Unit or CA. Agramous Congnation
i. Type of West Oil Gus West West Coher		3. Weil Name and No.
Enron Oil & Gas Company		James Ranch Whit #17
P. O. Box 2267, Midland Leanon of Wall (Footage, Sea, T., R., M., or Survey C	Texas 79702 (915) 686-3714	30 015 27784 10. Feed use from or Exploratory Area Los Medanos Bone Spring
2080' FNL & 1980' FWL Section 6, T235, R31E		11. County or Parish, State Lea Country, MM
	s) TO INDICATE NATURE OF NOTICE, REPOR	
TYPE OF SUBMISSION	TYPE OF ACTION	
. Nonce of latent	L ADMOGRATICAL	Change of Plans

noe Proposed or Completed Operations (Clearly state all pertinent certains, and give pertinent cases, including estimated date of starting any proposed work, if well is directionally critical give supportace locations and measured and true vertical departs for all markets and times perturbed to this work.)*

Alemag Cuing Acidize &

Wow Frac Bone Spring

Plugging Back

- 12-4-95 Set plug @ 11,130' + 10' sand on top
- 12-5-95 Acidize perfs 10,998-11,022 with 2000 gals 15% HCl acid
- 12-6-95 Frac 34,100 gals 40# Spectrofrac & 2900 gals 40# liner gel; pumped 150,000# sand in formation.
- 12-7-95 Tagged sand fill at 11,108'

__ Final Abandonment Notice

- 12-8-95 Washed sand from 11,018' to 11,120'.
- 12-9-95 Placed well on production to battary @ 3:30 p.m. MST.
- L2-I1-95 24 hrs 38 BOPD, 132 BWPD, 84 MCFD; 240 psi FTP, 1160 psi SICP on 16/64".

Sign Country that the Vocations is the and control of the Sign Bester Gildo	na Regulatory Analyst	Detr 12/18/95
This spece for Factoring State order uses		
Conductors of approval, if any:	Tids	Date

Title 18 U.S.C. Section 1001, mixes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictious or fraudulent and ns as to any macer within its lunsdiction

IN ED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

TD PRODUCTION FORM APPROVED OMB NO. 1004-0-37 THE OFFICE DESCRIPTION AND SERVICE POLICE OFFICE AND SERVICE POLICE OFFICE OFFI

DECEINA	M NW	פ-02887

		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			ļ	DEGG	i t tt d n	NM 02	
WELL CO	OMPLETION	L OR RECC	MPLETIO	N REPORT	AN	D LOG	g in in	0144 44	OTTER OR TRUSK HAM
L TYPE OF WE	1 011 W.	ELL IN WEEL	ORT C	Other			I. UNIT	-CREEME	T HAMB
L TIPE OF COL	KPLETION:	••							
HELL Y		avux Lras	DIFF.	Other			1. TAE	M OR LE	ASE NAME, VELL M
Enron Oil		an ত					Jame	s Pani	ch Nois #17
ADDRESS AND		· -		······································			9. API W		770/
P. O. Box	2267, Midl.	and. Texas	79702				10. FIELD	015 2	/ / 84
LOCATION OF WE	•			any diate requ	an care	a)*			Bone Spring
		& 1980' FW.	Ľ.	•			IL MAIC.		OR SLOCK AND SURVEY
	2080 - FNT.	••• • 1980' FWI	•				-		
At total depth		1 1700 1117				-		•	, R31E
• •	2080' FNL 8	1980' FWI	14. PERMIT	»o.	LO-	-13 - 93	12. cour PARIA Edd	Ħ	NM
DATE SPUDGED	16. MIE T.M. E	EACHED LT. DAT	E COMPL (Reed)	y (0 prod.) 1	d. ELEVA	T30KE (DF. 1	EL IT. GE, FTC.)		11. CLESTERS
12-14-93	 		1-21-94			310.6'			3310.6'
THEAL PROFILE NO.	1	1 05/1	WOW IN	CLTTELE COMPI MART [®]	-	COLUMN COLUMN	BY,	.uous	CARLS TOOLS
11.300'		.1.254"	, SOTTOM. NAME	(MD AND 170)	•		<u> </u>	25	. WAS DIRECTIONAL
10,998'-11,	,022' (Воп	e Spring)					-		NO NO
TTPE ELECTRIC A	AD STEEL LOCK I	Ľ×.		· — - — · · · ·				27	TR ARTY COURS
DL-DSN. DL	L-MSFL		•					Ā	es 🔪
	· WEIGHT, LEAF		NG RECORD (R	eport all serve					
1-3/4"	42#	62		14-3/4"		Cl C	. CEMENTING RECO	 .	Girculated
1-3/4" 8-5/8"	32#	387		11"			225 CL C		Circulated
5-1/2"	17#	1130		7-7/8"			1 & 130 Cl	H	Temp Survey T
					1				ac 38
eres)		INER RECORD	SACES CEMENTS	SCREEN (M		0. ##Z#	TUBING REG		PACKER SET (MD)
	107 (20)			1		V/A	Japan Sar 1	-	
i		i							
REPORTION SECO	es (Intervel, rice	and number)		12.	ACCO.	SHOT, FRA	CTURE CENTE	CT SQUE	ELL SIC
				LOGGE I			AMOUNT AND ET		
3 9987_11 (022' (.39'	. 961		10998-1	.1022	<u> </u>	20/40 I:		. & 116,000#
2,330 -11,0	(.JJ	30)					20740 1.		33 3233
						i			
FILET PRODUCTION	f mar	TON METHOD (FI		DUCTION	end lund	of summer	1 WELL	STATUS	(Procures or
-23-94		Flowing	······, , — ···· ,			, ,,		16-m)	oducing _
OF THEE	HOGIS TESTED	CHOES SIZE	PROD'N. FOR	011-081-	, G.	AR-HCT.	*ATER48	_ i	POIL SYSIO
-24-94	24 hours	, -		35		0	120	·	0
TORROTO PROMIS.	540	CALCULATED 24-ROUR SATE	011	G.4	1C7.	WATE	246 <u>L</u>		9.0
EFORTION OF CAS		es, contac, stc.;	1			I	I TEST WITH		
'A									
AT OF ATTACEMEN	672 _.			***					
Logs	^		madien is	ueta cada	.	APPRIL 201 4-1			
	- 11-						# TIT TASTITURE :		= 34
omeo <u>teni</u>		1000	mmr _8	legulacor	7 Ana.	Lyst	DATE	1-23	5-94

:ubmitt to App opmate tate to Office

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-10Z

ISTRICT I .Q. Bex 1980, Habbs, NM 68240

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

715T - 1T .0. 0. - 00. Artema. NM 88210

NISTRICT III 000: Rio-Brazos Rd., Aztes, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

perstor	ENRON OI	L AND	GAS CO.		Lease	JAMES RAN	NCH UNIT		Well No. 17	
nit Latter	Section		omererib		Range	·		County		
tuel footage La	Sugn of Fee	12.	23 SC			JI EAST	<u> Накк</u>		EDDY	
Z080 -,	يد جامر السابيسي	NORT	H No end	Sept. Sept.	1980	÷ " '	leet iros	wes	- !lae	• .
ound Levet Blet	F. Produc	ing form	ation.		Pool		1000 1100		Dedicated Acres	tat:
3210.6°	Del	aware/	Bone Sor	ing	Los	Medanos			40	Acres
. Cutline the a	erozee dedlas	المطرات لك	e subject well	by colored pe	mest or been	ure marks es. U	be plat below	·	* • .	
If more than	one lease is	dedicate	d to the well.	outline each.	and identify	the ownership	thereof (both	i as to vericin	Interest and ro	wity).
. If more than unitization. (t o wnership is	dedicated to	the well- ha	ve the interest	of all owner	T been consoli	dated by commu	nitizetion.
Yes		No	If answer is	Tree type of	consolidatio	na				
405 741 3 1 30	list of own	serr end:	tract descript	ions which h	ever actually	been: consolidat	ed. (Use rev	erse side of	٠.	٠
des (orms secon		4 1								
						consolidated (idisdon, forced	t-boatine
			-					OPERAT	OR CERTIFIC	ATION
1337.	2		A			- 1 Table		1	ou certify the the	
	1					, 		1	m is true and con	
in the	i							peat of my par	receder and bottof.	
ĺ	ì							Signature	1/10/	
177 - L.	1		0		į			Berin	- 2005	
No. of the	1		208¢.		:			Printed Nem	,	
			<u> </u>					Betty G	Tidan	
	\$				•			Position	orv Analys	-
	1 1				1		i .	Company	ULA MUETAZ	
·	נוֹ	320.4"	3320.3		:			Enron C	il & Gas C	ompany
	1980' 	<u> </u>	<u>.</u>			•		Date	- /22	107
	i	1			1			373.7 3	7/22.	793
	3.	306.91	32117.		i			SURVEY	OR CERTIFIC.	LTION
	i				i				y that the well loc as plotted from fi	
	i				į				made by me of	. under m (s true m
	. [į			correct to the		
•	į.				i			beinef.		
	i				i			Date Survey		
į. į	İ	•		_	İ				AY 27, 1993	
	+				.	. 		Signature &	Sarve-ovOA.	
À	1				1				TEN WENTCO	//
an gr	•		j		Ī	٠.		// //	(3)	1
-20-0	1			-	f			. ≥	7977	_
F	. 1				i			1 11 21	A/91/	ال ال
<u> </u>	1				1			ایشبله (س	X-OX	7
	. [1			Cerusia	Concession Marie Concession	751. 07
	' '							(INACO CO	30N. 197
330- 660	990 ເວລວ	1930 11	80 2310 26	200	1500	1000 50	8 0	a	3-11-0985	

TRUE VERT, DEPTH TOP GEOLOGIC MARKERS MEAS, DEPTH 3934 7769 10594 11211 3rd B.S. Sand Ó Bone Spring HAME Delaware Wolfcamp 36. 37. SUMMARY OF POROUS ZONES: (Show all important zones of potosity and contents thereof; coted intervels; and all recoveries); DESCRIPTION, CONTENTS, ETC. Sandstone, Shale, Limestone Redbed, Salt, Anhy Limestone, Shale Shale, Sand BOTTON 3876 6273 10067 11300 .0 3876 6273 10067 101 Delaware Bone Sp. B.S. & Wolfcamp FORMATION

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

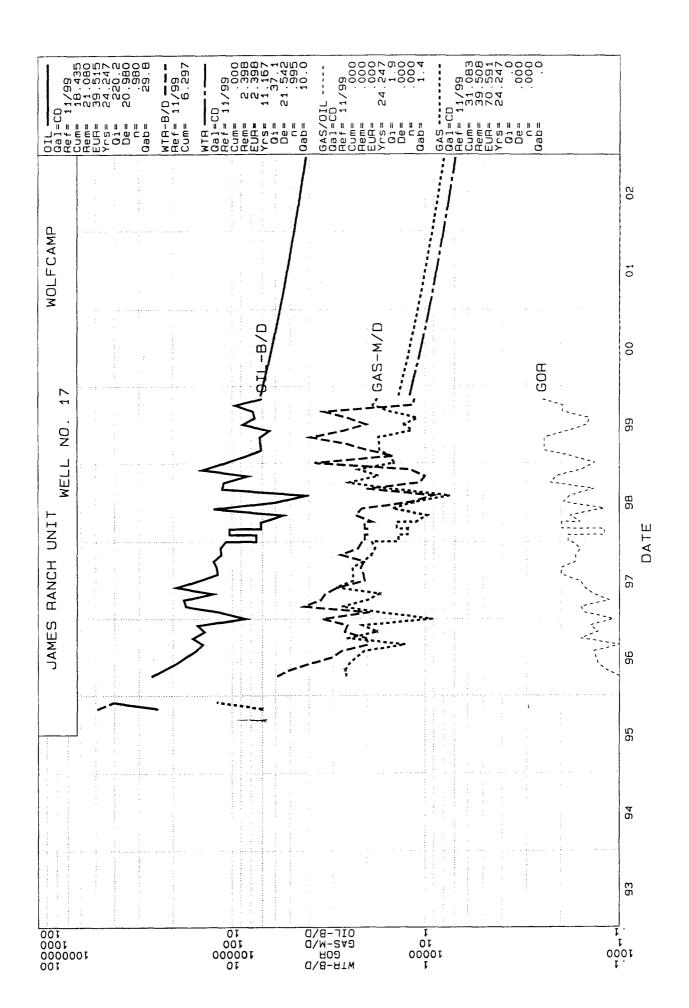
Well.		TANGE DAN	ICU LINIT N	0 17		FORMATION			WOLFCAM	D
WELL						FORMATION			WOLFCAM	
LOCATION										
	TOWNSHIP									
SPUD DATE									12/11/95	
ERFORATIONS	11,171-11,	100								
STIMULATION:										
ACID	10/15/95 -	200 GALS 1	5% HCL + A	DDITIVES.				··		_
FRAC	TURE	24,000 G	ALS SPECTRA	\ FRAC G-4000	40# XL GEL,	132,280# 20/40	OTTAWA S	AND, & 20,000	O#	
		20/40 EC	ONOPROP.							_
										_
										_
										_
POTENTIAL(Attach Copy of C-10			etch of Compl	eted Well.) VOLUMETRI	C CALCULA		SANDS NOT	T PERFORATED		
(Attach Copy of C-10	5. Attach Copy of		etch of Comple	eted Well.)	C CALCULA		SANDS NOT			
Attach Copy of C-10	5. Attach Copy of		etch of Comple	VOLUMETRIC SANDS PERFO	C CALCULA		SANDS NOT	T PERFORATED		
Area (A) proration un	5. Attach Copy of		40 11.4%	VOLUMETRIC SANDS PERFO	C CALCULA		SANDS NOT	T PERFORATED		
Area (A) proration un Porosity (por), % Water saturation (Sw),	5. Attach Copy of		40 11.4%	VOLUMETRIC SANDS PERFO	C CALCULA		SANDS NOT	T PERFORATED		
Area (A) proration un Porosity (por), % Water saturation (Sw), Net Thickness (h), ft.	5. Attach Copy of it size, acres		40 11.4% 34%	VOLUMETRIC SANDS PERFO	C CALCULA		SANDS NOT	T PERFORATED		
Area (A) proration un Porosity (por), % Water saturation (Sw), Net Thickness (h), ft.	5. Attach Copy of it size, acres %		40 11.4%	VOLUMETRIC SANDS PERFO	C CALCULA		SANDS NOT	T PERFORATED		
Area (A) proration un Porosity (por), % Water saturation (Sw), Net Thickness (h), ft. Temperature (T), Fahr Bottom Hole pressure	5. Attach Copy of it size, acres % renheit (P), psia		40 11.4% 34% 31	VOLUMETRIC SANDS PERFO	C CALCULA		SANDS NOT	T PERFORATED		
	5. Attach Copy of it size, acres % enheit (P), psia		40 11.4% 34% 31 170 6,036	SANDS PERFO	C CALCULA		SANDS NOT	T PERFORATED		

Commercial Determination Page #1 2/10/00

PERFORMANCE DATA

(If sufficient history exists, a	ttach plot of oil production ra	te v time.)		
CUMULATIVE PRODUCTI	ON TO _	11/30/99	;18,435	BBLS
INITIAL RATE (qi)	_	2:	20	_
ECONOMIC LIMIT (qi)	-	3	0	
DECLINE RATE, dy	_	Hyperbolic d = 2	20.98% n = .98	
REMAINING OIL (Q) =	_	12,	465	
ULTIMATE RECOVERABL	E OIL _	30,	900	
(Attach plat showing prorati	on unit and participating area.)		
		ECON	юміс	
WELL COST \$	825,000 (to the depth	of formation completed)		
RECOMPLETION COST \$	0			
TOTAL COST \$	825,000			
YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW
ZERO	0	0	0	-825,000
1	2,000	39,200	6,600	32,300
2	5,100	109,200	22,300	80,700
3	5,000	102,900	21,900	68,100
4	2,900	42,100	17,400	18,800
5	3,200	62,700	18,900	30,100
6	2,400	60,400	18,800	25,900
7	1,900	40,700	17,300	13,200
8	1,600	32,600	16,800	8,100
9	1,400	27,100	16,300	5,000
10	1,300	24,000	16,000	3,300
REMAINDER	4,200	80,500	67,800	4,400

WELL IS NOT COMMERCIAL



)

`)

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

CALCULATED DATA

740 LSE/RIG 760 LSE/ORR	721 OWN/RI	720 LSE/RIC	701 OWN/WI	700 LSE/WI	564 PRI/OIL 569 PRI/GAS	559 ATX	549 STX/OIL 554 STX/GAS	544 OPC/T			538 *		1000				531 PRI/GAS	346								518 "		516 PRI/OIL	430 START	425 WTR	420 GAS/OIL	410 OIL 415 "	405 START		ITEM	
12.5000	.0000	12.5000	100.0000	100.0000	9100 1300	.17	7.08 7.93	1190.00		2.57	20.50	2.4.	2.1.1	2.59	2.61	1.94	1.8900	18.13	18.18	19.20	20.67	24.94	19.25	14.43	20.74	22.26	18.39	16.8800	10/95	37.10	1.93	220.19 46.45	11/99		SCHEDULING RATES	1 1 1 1 1 1 1
ם ם	ט	ט	ם	ט	9100 1300	×	××	×		× :	× >	< >	* ×	: ×	×	×	×	*	×	×	×	×	×	×	×	×	×	×		×	1.37	××			3 RATE	! ! ! !
مپر مبد	مد	de	ф	æ	0 \$/B	apa	عبد مبد	\$/M		υ (Σ	n •/ ¥ 3		S/M	S/M	W/\$	W/\$	\$/M		\$/B			\$/B				\$/B	\$/B	\$/B		в/м	7 M/B	B/M			; (S)	H
TO	ТО	TO	To	To	TO	ТО	TO	TO		TO	1/2002	1/2000	1/99	1/98	1/97	1/96	1/95	10	1/2004	1/2003	1/2002	1/2001	1/2000	1/99	1/98	1/97	1/96	1/99		2.40 IMU	01/2097 AD	06/2015 3.88			SCHEDULE UNTIL	T T D G
LIFE	TIFE	LIFE	LIFE	LIFE	LIFE	LIFE	LIFE	LIFE		LIFE	S E	ťè	8	AD	Ð	Đ	XX/WW	TIFE	B	AD	AD	ď	AD	ΑD	₽D	AD D	ď	AA/WW		IMU	AD.	AD IMU			UNTIL	ATA
FLAT FLAT	FLAT	FLAT	FLAT	FLAT	94 94	PC	PC PC	SCH		D C	ָה מילי	7 6	o O	PC	PC	PC	Öď	PC	PC	PC	ЪС	PC	РC	DQ.	Ođ	D.G	PC	oq		н/0.995	LOG	H/0.980 EXP			PROCEDURE	
. 00	. 00	. 00	. 00	.00	.00	. 00	. 00	OPC				. 00	. 00	.00	.00	. 00	. 00	.00	. 00	.00	.00	. 00	.00	. 00	.00	. 00	.00	. 00		21.54	TIME	20.98 5.00				
																														2.398		35.630 39.515			ULTIMATE	
1/24 1/24	1/24	1/24	1/24	1/24	1/24 1/24	1/24	1/24 1/24	1/24	ļ	1/24	12/00	12/99	12/98	12/97	12/96	12/95	1/24	1/24	12/03	12/02	12/01	12/00	12/99	12/98	12/97	1/24	1/24	1/24		12/10	12/96	5/15 1/24			LAST	CAL
																														21.54		20.98 5.00		1	FF. DEC	CULAT
. 125		.125	1.000	1.000	910 130	.002	.071	1190.000		2,580	2.600	2.270	2.110	2.590	2.610	1.940	1.890	18.130	18.180	19.200	20.670	24.940	19.250	14.430	20.740	22.260	18.390	16.880		37.		220. 46.			INIT. RATE	DAT
. 125		.125	1.000	1.000	18.130 2.570	.002	.071 .079	1190.000	1	2.580	2.600	2.270	2.110	2.590	2.610	1.940		18.130	18.180	19.200	20.670	24.940	19.250	14.430	20.740	22.260	18.390			10.		4 6. 30.			INAL	A

PROJECT ASSUMPTIONS BASE DATE : 10/9 P.W. DATE : 10/9 REPORT DATE : 10/9	201 LOSS 1 205 CUMO, MB	RESERVE PARAMETERS	800 DRILL 801 SALVAGE	INVESTMENT		OVERLAYS	761 OWN/ORR
MPTIONS : 10/95 : 10/95 : 10/95	NO 18.43	METERS	330.00	TANGIBLES	P.OIL OIL # P.GAS GAS # P.WATER WTR	SCHEDULING RATES	.0000
TIME FRAMES : PW %-AGE : PROD QUAL :	CUMG, MMF	ITEM	495.00 M\$G	TANGIBLES & INTANGIBLES	#	3 RATES	D #
1*3 38* 10.0 CD	31.08		10/95 TO	TIME		SCHEDULE UNTIL	ъ
1*3 38*12 1*600 10.0 DISC CD OWNER			AD LIFE			E UNTIL	LIFE
*600 DISC. FREQUENCY : OWNER QUAL :	CUMI, MB	ITEM	1 0 1 1 1	PROCEDURE		PROCEDURE	FLAT
365. CD	1		i				. 00
ОТН	8 8 8 9		825.000	TOTAL T&I	18.647 31.616 6.297	ULTIMATE	
OTHER QUAL : CD	! ! ! !		10/95	MONTH	2/00 2/00 2/00	LAST	1/24
 G			1 1 1 1 1 1 1 1	RISK INV.		EFF. DECL	
	1		825.0	TOT. T&I&R		INIT. RATE	
	1		825.0 -33.0	ESC. TEIER		FINAL RATE	

)

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

j

RESERVES AND ECONOMICS EFFECTIVE DATE: 10/95

				EFFEC	EFFECTIVE DATE: 10/95	E: 10/95							
PERIOD ENDING	12/95	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	12/04	S TOT	AFTER	13.6 YR TOTAL
OWNERSHIP	1 1 1 1	1	1	1 1	1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ \$ 1 1	1 1 1	1 1 1 1	1 1	1 1 1	1 1 1	1
1) WORKING INTEREST, \$ 2) REVENUE INTEREST, \$	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 : 87.500	100.000 87.500	100.000 : 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 : 87.500	100.000
INVESTMENTS, M\$													
3) BORROWED CAPITAL 4) EQUITY INVESTMENTS	.0				. o						835.0	. 0	.0
5) RISK	.0										.0	. 0	.0
7) TOTAL	825.0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	825.0	-33.0	792.0
OIL PHASE			3										
8) GROSS OIL, MB	2.0	5.1	5.0	2.9	3.2	2.4	1.9	1.6	1.4	1.3	26.7	4.2	30.9
9) NET OIL, MB	1.7	0 4. 5	86.3	2 2 5	. 2.8	2.1	1.7	1.4	2 1.2	11.1	23.4	3.7	27.1
OIL PRICE, \$	17.48	21.35	19.83	13.52	18.34	24.03	19.76	18.29	17.27	17.22	19.10	17.22	18.85
GAS PHASE													
GROS	5, 8	6.3	7.9	. 4.	6.0	4.7	3,6	3.1	2.7	2.4	47.1	7.9	55.0
14) GAS REVENUE, MS	9. 2. ⊢	13.6	16.9	7.9	11.3	4.1 10.2	7.8	6.7	л N 4 00	5 2 1	94.4	6.9	48.1
GAS PRICE, \$/	1:810	2.480	2.460	1.980	2.140	2.470	2.450	2.440	2.440	2.440	2.292	2.440	2.314
WATER PHASE													
GROSS WATE	2.7	1.0	. 9	.7	, , ,	. ;_	. 0	.0	. 0	. 0	6.3	. 0	6.3
18) WATER PRICE, \$/B	.000	. 000	.000	.000	. 000	. 000	. 000	. 000	. 000	. 000	. 000	.000	.000
ECONOMICS, M\$													
ណ្ឌ	39.2	109.2	102.9	42.1	62.7	60.4	40.7	32.6	27.1	24.0	541.0	80.5	621.5
22) - AD VALOREM TAX	.1	.28	7.4	3.0	. 1 . 1	4.4 .1	2.9	2.4	2.0	1.7	39.1 .9	5.8	44.9 1.0
,	ω. 6	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	132.1	61.9	194.0
25) - CAPITAL REPAYMENT					 o o	 o o	 o o		 o o	0			
26) - INTEREST PAID	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	.0	. 0
28) - NET INCOME	32.7	86.9	81.0	24.7	43.8	41.6	23.4	15.9	10.9	7.9	368.9	.u 12 7	٦٩٦. ٥. ٦
29) - INVESTMENTS & RSK 30) = BFIT NET	825.0 -792.3	86.9	.0 81.0	.0 24.7	.0 43.8	.0 41.6	.0 23.4	.0 15.9	10.9	7.9	825.0 -456.1	-33.0 45.7	792.0 -410.4
PRESENT WORTH @ 10,00 %													
31) NET INCOME 32) INVESTMENTS & RISK	32.3 825.0	80.7	68.1 .0	18.8	30.1	25.9	13.2	8.1	5.0	3.3	285.5 825.0	- 8 4 6 4	289.8
	-792.7 -792.7	80.7 -712.0	68.1 -643.9	18.8 -625.2	30.1 -595.0	25.9 -569.1	13.2 -556.0	8.1 -547.9	5.0 -542.9	3.3	-539.5	12.9	-526.6
						,							

AFTER TAX ECONOMICS

PRESENT WORTH @ 10.00 % 30) NET INCOME 31) INVESTMENTS & RISK 32) A.F.I.T. NET 33) CUM. A.F.I.T. NET	20) REVENUE-SEV-WPT 21) - OPR. COSTS & ATX 22) + NPI OWNED - PAID 23) - F.I.T. 24) = A.F.I.T. 25) - LOAN REPAYMENT 26) - INTEREST PAID 27) = NET INCOME 28) - INVESTMENT'S & RSK 29) = A.F.I.T. NET	TAX CALCULATIONS, M\$	PERIOD ENDING 12/95 TAX TREATMENT OF INVESTMENTS, M\$
196.2 825.0 -628.8	36.4 3.6 .0 -165.9 198.7 .0 .0 198.7 .0 198.7 .0 25.0	39.2 2.9 2.0 3.6 3.6 495.0 111.0 -474.0 35.0 -165.9	12/95 ENTS, M\$ 495.0 .0
70.5 .0 .0 70.5	101.4 14.5 0 11.0 75.9 .0 75.9 .0 75.9	109.2 7.8 7.0 14.5 .0 .0 .0 .0 .55.5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/96 .0 .0
66.3 -492.0	95.5 14.4 .0 2.1 78.9 .0 78.9 .0 78.9	10X 9 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12/97
26.4 .0 .26.4 -465.6	39.0 114.3 -10.1 34.8 .0 34.8 .0	42.1 3.0 14.3 .0 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/98 .0 .0
28.8 28.8 28.8	58.2 14.4 1.9 41.9 41.9	55.0 14.4 15.0 15.0 16.0 17.0	2/98 12/99 12/00 12/99 12/00 0 0 0 0 0 0 0
23.3 .0 .23.3 -413.5	37.4 37.4 37.4 37.4 37.4 37.4	60.4 4.4 4.4 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5	12/00
14.4 .0 14.4 -399.2	37.7 14.3 -2.1 25.5 .0 25.5 .0 25.5	40.7 2.9 14.3 14.3 1.0 2.9 2.0 2.0 2.0 3.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	12/01
10.5 .0 10.5	30.2 14.3 20.6 20.6 20.6 20.6	32.6 2.4 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/02
-384.2	25. 114.3 1.2 9.6 9.6 9.6	27.1 2.0 2.0 114.3 .0 .0 7.4 3.5 3.5 3.5 3.5	12/03
2.2 .0 2.2 2.2	22. 114.3 2.8 5.2 5.2 5.2 5.2 5.2	24.0 11.7 1.0 114.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/04
443.0 825.0 -382.0	501.9 132.9 139.6 -159.6 528.5 .0 528.5 .0 528.5 825.0	541.0 39.1 132.0 132.0 .0 495.0 330.0 -456.1 -456.1 35.0 0 -159.6	S TOT 495.0 .0 330.0
2.9 -8.6 11.4	74.7 62.0 4.4 8.2 .0 .0 8.2 8.2 -33.0	80.5 5.8 62.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	AFTER .0 .0 .0 .0 .0 .0 .0 .0
445.8 816.4 -370.6	576.5 195.0 0 -155.2 536.8 .0 .0 536.8 .0 536.8	621.5 44.9 195.0 195.0 495.0 495.0 330.0 -443.4 .0 -443.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	13.6 YR TOTAL 495.0 .0 297.0

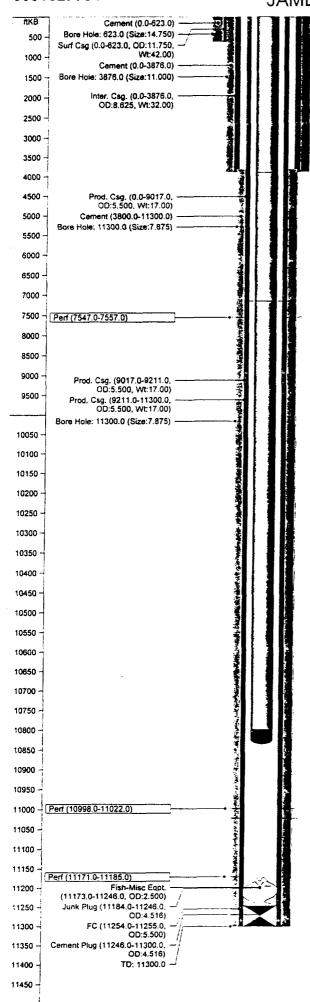
JRU #17 WOLFCAMP PREPARED BY: KENT ADAMS

}

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

ECONOMIC INDICATORS

AS OF DATE: 10/95



TAMES BANG	1 11117 447		
JAMES RANC			
API No.	3001527784	Status	ACT OIL
TD	11300.0 ftKB		KAA
PBTD		Cilginoci	1001
	11246.0 ftKB		1
Operator	BEPCO	Permit	1
Well No.	17	Spud	12/14/93
ID Code		RR	1/9/94
	LOGUEDINOS		
Field	LOS MEDANOS	Completion	1/24/94
Author	RAS	Last Act.	
Date Updated	12/10/98	Abandoned	
Comments	Drilled by Enron	7.0011001100	·
	Dimed by Emon	<u></u>	
Location			
Township	S023	Top Latitude	0
		Top Longitude	0
Range	E031	Top NS Distan	
Nange	2031	Top No Distain	2000.0 It IN
·*·	······	Top EW Distan	
Section	6	Bottom Latitude	
Unit Ltr.	F	Bottom Longitu	ide 0
State	NEW MEXICO	Btm NS Distan	
	EDDY	Btm EW Distan	
County	בטטז	Bull EAA Distan	ice 0.0 it
Elevations			
KB	3327.3 ft	Cas Fing	0.0 ft
Grd	3310.6 ft	Tub Head	0.0 ft
		I UD (IEAU	0.0 11
KB-Grd	16.7 ft		<u></u>
Casing String	 Surface Casing 		
Item		nts ID	Wt Grd Thd
		ווגס וט	Wt Grd Thd
(in)	(ftKB) (ftKB)		1 1
11 3/4 in Surf Csg	0.0 623.0	14 11.080 4	12.00 H-40 STC
	Intermediate Ca		
			14/4
ltem	Top Btm J	nts ID	Wt Grd Thd
: (in)	(ftKB) (ftKB)		<u>i</u>
8 5/8 in Inter.	0.0 3876.0	90 7.920 3	32.00 K-55 STC
Csg.			
	Denduction Con		
Casing String -	Production Cas	ing	
Item	Top Btm Ji	nts ID	Wt Grd Thd
(in)	(ftKB) (ftKB)		
5 1/2 in Prod.		201 4.890 1	7.00 110/CF\$ LTC
	0.0.9017.0	201 4.090	7.00 110/013 210
Csg.	<u> </u>		
5 1/2 in Prod.	9017.0 9211.0	5 4.890 1	7.00 P110 LTC
Csg.	j i t		1
5 1/2 in Prod.	9211.0 1300.0	47 4.890 1	7.00 110/S9 STC
Csg.	0211.0 1000.0	4.000	11:00,110:00,
Csg.	10510 10550	0.000	
5 1/2 in FC	1254.0 1255.0	0.000	0.00
Casing Cement	t		
Casing String		mount	Comments
Casing String		î.	Comments
		(sx)	
Surface Casing	0.0	425	
Intermediate Casir	ng 0.0	1195	
Production Casing		1706 TOC by	temp survey
		11.00:100.27	19.1.p. 041.1.2.
	Primary Tubing		
ltem	Top Btm	Jnts ID	Wt Grd Thd
; (in)	(ftKB) (ftKB)	(in)	
2 7/8 in Tbg.	0.0 3894.0	118 2.441	6.50 N-80 8rd
	5.0 5004.0		2.00
w/reg colr	2004 01 7454 01	404	6.50 11.00
2 7/8 in Tbg.	3894.0 7151.0	104 2.441	6.50: N- 80 8rd
w/TD colr			
5 1/2 in Baker	7151.0: 7154.0	2.875	0.00
TAC	· · ·	1	
2 7/8 in Tbg.	7154.0 10799.0	116 2.441	6.50 N-80 8rd
	1 107.0 101 33.0	2.771	5.55 H-55 Old
w/TD colr	10700 5 17777		
2 7/8 in .5' SN, 4'	10799.0 10836.0	2.441	0.00
PS, 32.6' MA		<u>i</u> i	
	quip., etc.) - Plug	Back	
			1_4
Date	Item	:	int
			(ftKB)
11/19/95 Jur	nk Plug	1	11184.0 - 11246.0
	ment Plug		11246.0 - 11300.0
	illorit i iug	`	
Perforations			
Date	Int	Sh	ots Status
		(/1	and the second s
1/22/94	10998.0 - 110		4.0
	10990.0 - 110.	2E.U	
10/16/95	11171.0 - 111	55.0	2.0
2/3/96	7547.0 - 755	7.0	2.0
Stimulations &	Treatments		
	Interval	Fluid	Sand Comments
		riuiq :	Janu Comments
1/23/94 Sand Frac	10998.0 -		
1	11022.0		
11/26/94 CO2 Foam	10998.0 -		
Job	11022.0		•
	11024.0		
'			

WELL HISTORY

WELL NAME:

James Ranch Unit No. 17

FIELD NAME:

Los Medanos (Bone Spring)

LOCATION:

2080' FNL & 1980' FWL, Sec 6, T23S, R31E, Unit F,

Eddy County, NM

ELEV:

3310.6' GL; 3327.3' KB

SPUD DATE:

12/14/93

COMP DATE:

1/21/94 (RR 1/9/94)

ORIG TD:

11,300'

ORIG PBTD:

11.254

CURRENT PBTD:

11,254'

CASING:

11-3/4" 42# H-40 ST&C CSA 623' w/425 sx, cmt circ, 14-3/4" hole 0-623'.

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

7-7/8" hole 3876-11,300'.

TBG:

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

DST:

CORES & LOGS:

1/7/94 Ran Caliper/Gamma/Spectral, Density/Dual Spaced Neutron/Dual

Lateralog/Micro-SFL.

1/22/94 Ran CBL/GR/CCL 10,900-11,234' & 7,000-8,000'.

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

7557, 7552'.

INITIAL COMPLETION:

1/22/94-2/9/194

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

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

in attempt to stabilize prod.

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

WORKOVERS:

11/26/94-12/20/94

STIMULATE WELL

Pumped E-Z Clean treatment w/5400 gals E-Z clean w/CO₂ w/70 quality foam. Flush w/2800 gals 50 quality foam.

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

JAMES RANCH UNIT NO. 17 WELL HISTORY

10/13/95-3/20/96

RECOMPLETE AND FRACTURE STIMULATE

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

10/16/95

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

2/3/96

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

10/13/95-3/20/96

CONTINUED

1/24/00 RAS

JAMES RANCH UNIT NO. 17 WELL HISTORY

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

AWO: 3/20/96 24 hrs P 170 BO, 74 BW, 230 MCF. 10-31 BOL. Turn over well operations to Enron @ 10:00 a.m. MST 3/20/96.

8/1-4/96 INST/

INSTALL PUMPING UNIT

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

5/21/98

Fish pump. Plunger stuck open w/sand.

8/17/98

Pump change. Trash in pump.

5/25/98

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

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

| ISTRICT | | .0. Bex 1980, Hobbs, NM 68240

OIL CONSERVATION DIVISION

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

15 III 0. 4 DD. Arteria, NN 88210

WELL LOCATION AND ACREAGE DEDICATION PLAT

STRICT III 000 Rio Brazoo Rd., Azide, NM 87410

All Distances must be from the outer boundaries of the section

perator	ENRON OIL AND	GAS CO.	Lease	JAMES RAN	CH UNIT		πeil No. 17
nit Letter	Section	Township	Reage			County	
F	6	23 SOUTH		31 EAST			EDDY
Ctual Footage La		OTT I					_
2080 Te		RTH Haw ead	1980		feet from	us WES	1116
-3310.6		e/Bone Spring	1	Medanos			Dedicated Acreage:
		the subject well by co			e miet below.	<u>-</u>	Acres
The second second	•						
2. If more than	l one lease is dedica	ited to the well, outlin	se each and identify	the ownership ti	dereot (both	as to workin	g interest and royalty).
3. If more than	ane lease of differ	ent ownership is dedic	sated to the well, he	ve the interest o	al owners	been consoil	dated by communitization.
unitization.	force-pooling, etc.?		· • • • • • • • • • • • • • • • • • •				
·	_	it answer is yes	type of consolidation		. /**		
Lhis: form: neces	5517	<u> </u>					·
No allowable	will be assigned to	the well unit all in	iterests have been	consolidated (oy commun	ıdzadon, un	utization, forced-positng,
puleraises of t	THE HOLL-TERGE	rd unit. eliminating :	uen interest, has b	eem approved b	r the Divisio		
1337.	.2'	À				OPERAT	OR CERTIFICATION
	!						by certify the the enformation
	1						nn is true and complete to the motode and bottof.
,	į.		ļ				
Į.	į		1			Signature	- Lippon
The second secon	!	2080.				Frinted Nem	
2.04	ļ	- 2([Betty 0	,
						Position	
			,				ory Analyst
	1 7250.4.	3320.3	ĺ			Company Enron C)il & Gas Company
		Ī	l		-	Date	711 4 445 66115417
	1980'					373733	7/22/93
	3306.9*	3311.3	i ,			STIDITEV	OR CERTIFICATION
			. !			SURVEI	JR CELTIFICATION
7	1		1				y that the well location shown
1	1		! 1			estual surveys	ds plotted from field neces of made by me or under my
	1		1			-	nd that the same is true and
7	1 1				1 1	delsef.	ne best of my knowledge and
	! !					Date Survey	ed
			i.				AY 27, 1993
<u> </u>					[Signature &	वा वा
	i		i			Professional	Sarvemon
	. i					//	THE MEXICO
· -	İ		i			//_/	7977
	i		i			/ 1151	
			i			الشُّلَّةُ (لر	MAN XXX
(i		i		F	Céruticade	10 W W 9751. 076
1360.	J. ;		1			(4	1239 NOED. 3239
330 660	990 1320 1650	1000 2210 2210	2000 1500	1000			,ARY 1 : OMES 7977
- 550 680	340 (250 [000]	1980 2310 2640	2000 1500	1000 500	0	9	3-11-0985

.	PRODUCTION	
ם ווביקוות	ENT OF THE NEEDOREC 0 5 1995	FORM APPROVED Sudget Surman No. 1004-0125 Extires: March 31, 993
SUNDRY NOTICE	S AND REPORTS ON WELCELVED	2. Lines Designation and Serial No. UM 02887-D
1101 400 1111	drill or to deepen or reentry to a different reservoi OR PERMIT—" for such proposats	6. If include Allocate of Trans Frame (f.
SUBM	IT IN TRIPLICATE	7. If Unit or CA, Agroement Designation
Type of Well Oil Gus Well Weil Other		8. Well Name and No.
Name of Operator Enron Oil & Gas Company		James Ranch Unit #17
P. O. Box 2267, Midland, T	Texas 79702 (915) 686-3714	30 015 27784 10. Fiesd and Pool, or Exploratory Area
. Location of Well (Footage, Sec., T., R., M., or Survey 2080 FNL & Section 6, T	1980' FWL	Los Medanos Bone you and
	((s) TO INDICATE NATURE OF NOTICE, REPO	Lea County, NM ORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTIO	
Nones of Intern Subsequent Report Final Abandonment Nodes	Anndownens Reminicuon Mugging Back Caung Remit Aleman Caung	Change of Plans New Construction Non-Routine Fractions Water Shot-Off Conversion to injection
	Added Wolfcamp Perf	(Note: Report results of multiple completion on Well Completion or Accompanion Account and Law form.)
Describe Proposed or Commission Operations (Cleany state a new substitute locations and measured and true verti	ul perument details, and give returnent dates, including estimated date of trare eat depths for all markers and nones periment to this work.)*	ing any processed work. If well is airominisally artifect.
10-15-95 - Perforated 1	.1,171'-11,185' (14', 28 shots.)	·
10-18-95 - Frac Wolfcam 132,280# 20/	p perfs with 24,000 gals Spectra fra 40 Ottawa sand and 20,000# 20/40 Eco	c G-4000 40# XL gel and noprop.
11-21-95 - 2-7/8" tubin	g at 10,979'.	
11-26-95 - 24 hour test	from Bone Spring and Wolfcamp.	
148 BOPD, 38	BWPD, 257 MCFD, 12/64" choke, 35-1	100 psi FTP, 1290 psi SICP
	duction: 141 BOPD, 34 BWPD, 240 MCFT Production: 7 BOPD, 4 BWPD, 17 MCFD.	
Beccy Gildon	n Regulatory Analyst	Date 12/4/95
this there for Feedy or State office uses		
Conditions of approval, if any:		Date
10 2 6		

*See instruction on Reverse Side

2	Form	3160-4
4,	(July	.392 ;

OMB NO. 1004-0-17
EXEMPT FORMAPPROVED
OMB NO. 1004-0-17
EXEMPT FORMAPPROVED
THE PORT OF TH SUBJECT IN DU.

OMB NO. 1004-0-17

FHOR HER PLANE DESMINATION AND SERVICE

PEGET 11 PM NM 02887-D

EPARIMEN	II OF	IME	INIEL
BUREAU O	F LAND	MANAG	EMENT

I TYPE OF W	OMPLETION	OR RECOM	MPLETION	N REPOR	I'AND L	OG	4. IF INDIAN	L ALLOTTEE OR TRIBE HAM
- 1112 OI N	ELL. GIL	L GAAL	DEY	Other	- 		I CHIT AGE	SEMENT SAME
LTTE OF C	OMPLEMON:							
- T			CXHTE.	Other			I. FARM O	R LEASE NAME, WELL N
2 MANE OF OPE	. & Gas Compa					· - · · · · · · · · · · · · · · · · · ·		Ranch Unic #17
	D TELEPHONE NO	<u> </u>				_	9. API WELL	
•	2267, Midla	-	79702					27784
	TELL (Arport located			eny state req	serrace(s)*		Los Meda	mos Bone Spring
At meriaco	2080' FNL &	1980' FWL	•					L. M., OR SLOCK AND SURVEY
At the pred. i	aterval reported bel							
At most depth	2080 - FNL &	1980 FWF					Sec 6, I	23S, R3IE
	.2080' FNL &	1980' FWL	14. PERMIT N	10.	DATE MEUED		12. COUNTY OF	E LL STATE
			-		10-13-9		Edav	ИМ
DATE OFCHES	· -	ACMED LT. DATE		10 500.1	S. PLEVATIONS		T. 48. STC.)*	13. 31.57. ***********************************
12-14-9	3 - <u>1-2-94</u>	SACK T.D., MD & TV	-21-94 • 1 22 15 41	TATIFILE COMPT		6' GR	ROTART TOOL	3310.6'
11.300'	,	1.254'	MOM	MAST [®]	01	LILLED ST	- X	1
	EVALUED, OF THIS C		SMAR, MOTTO	(DFT GAL GK)	•			25. WAS DIRECTIONAL
10,998'-11	.,022' (Bone	e Spring)						No
	AND OTHER LOGIC BY				 			TAR WELL CORED
SDL-DSN. D		•	•				-	Yes
מה-הפטי ה	Framer	CASINO	RECORD (Re	port oil strang	e ses m metl)			125
AMMO SZE/GRAUL	ARMES' (T'AL	. DEFTH SET	HD1 IIC	PE 3128	rop of c	ZMENT, CEM	STING PECOND	AMOUNT PULLED
11-3/4"	42#	623		14-3/4"	425 CI			Circulated
8-5/8" 5-1/2"	17#	3876		11" 7-7/8"	970 PSL			Circulated
3-1/2	1 ./-	1 11300	 	/-//3	1576 Sup	er a &	130 01 8	Temp Survey 3
	LE	NER RECORD			30.	Ŧ	BING RECORD	
SIXS	TOP (MB) H	AE (GK) MOTTO	CKE CEMENTS	SCHERN (M	D) 6728	01	PTH SET (MD)	PACKER SOT (MD)
·	TOP (MB) Bd	AS (GM) MOTTO	CKE CENEUL-	SCESSA (M.	N/A	01	FTH SHT (MD)	PACKER SET (ND)
	TOP (MD) M		CRE CENEVI-		N/A			
2132			CKE CENETY	12_	N/A	, FRACTU	RE, CENCENT S	
8198			CER CEMENT	12_	N/A ACID. SHOT	. FRACTU	RE, CEMENT 5	QUEEN ETC.
PERPORATION SEC		and number;	CKE CEMENT	IZ.	N/A ACID. SHOT	FRACTOR AMOS	RE CEMENT 3	QUELLE LIC.
PERPORATION SEC	SED (JESST PAL, SHEE	and number;	CER CEMENT	IZ.	N/A ACID. SHOT	FRACTOR AMOS	RE CEMENT 3	QUEEZE ETC. P NATERIAL USED gel & 116,000#
PERPORATION SEC	SED (JESST PAL, SHEE	and number;		IZ.	N/A ACID. SHOT	FRACTOR AMOS	RE CEMENT 3	QUEEZE ETC. P NATERIAL USED gel & 116,000 #
PERPORATION SEC	0221 (.39"	and number;	PROD	PETER INT. 10998-1	N/A ACD. SHOT	FRACTO: 4M000 91.500 2	RE CEMENT S HT AND KIND O gais our 0/40 Inca	QUELLE ITC. F MATERIAL DEED gel & 116,000# TUTOD plus
0,998'-11,	022' (.39"	96) on Method (Flow	PROD	DEPTH INT. 10998-1	N/A ACID. SHOT ENAL (MD) 1022	PRACTO AMOC 91.500 2	RE CEMENT S AT AND KIND O gais pur 0/40 Inca	puzzz ITC. F MATERIAL USED gel & 116.000# rorod plus rus (Processo Fr Producing
0,998'-11,	022' (.39"	96) ON METHOD (Flow Flowing CROED SIZE	PROD	DEPTH INT. 10998-1	N/A ACID. SHOT EVAL (MD) 1022	PRACTO AMOC 91.500 2	RE CEMENT S NT AND KIND G gais pur 0/40 Inca Walli STA ARRIVA	Producing
0,998'-11, PREST PRODUCTED-23-94 OF TREST -24-94	022' (.39"	96) ON METHOD (Flow Flowing CROES SIEE 18/64"	PROD mg, gae Ufl, ye reod'n. For	DEPTH INT. 10998-1	N/A ACED. SHOT ENVAL (MD) 1022	PRACTO AMOC 91.500 2	gais pur 0/40 Inca	puzzz ITC. F MATERIAL USED gel & 116.000# rorod plus rus (Processe Fr Producing
0,998'-11, PERT PRODUCTS -23-94 OF TREE -24-94	022' (.39" MOURE TERTED 24 hours CAMPA PRESERVE 540	96) ON METHOD (Flow Flowing CHOER SIEE 18/64" CALCULATED 24-ROUR EATS	PROD mg, gas lift, pu rego'n. ron rego'n. ron	DEFER INT. 10998-1 OUCTION OIL—ALL 35	N/A ACED. SHOT ENVAL (MD) 1022	FRACTO: 4MOC 91.500 2	gais pur 0/40 Inca	Producing
700,998'-11, 700,998'-11, 700,998'-11, 700,998'-11,	022' (.39" MOURT TESTED 24 hours	96) ON METHOD (Flow Flowing CHOER SIEE 18/64" CALCULATED 24-ROUR EATS	PROD mg, gas lift, pu reco'n. ron reco'n. ron	DEFER INT. 10998-1 OUCTION OIL—ALL 35	N/A ACED. SHOT ENVAL (MD) 1022	FRACTO AMOU 91.500 2	gais pur 0/40 Inca	Producing LASOIL SATIO O GRAVITT-AFT (CORL) 39.0
PERFORATION REC. .0,998'-11, PERFORATION OF CAMPACITION OF CAMPA	0221 (.39" 0221 (.39" HOURS TERTED 24 hours CAMPO PERSON 540	96) ON METHOD (Flow Flowing CHOER SIEE 18/64" CALCULATED 24-ROUR EATS	PROD mg, gas lift, pu reco'n. ron reco'n. ron	DEFER INT. 10998-1 OUCTION OIL—ALL 35	N/A ACED. SHOT ENVAL (MD) 1022	FRACTO AMOU 91.500 2	RE CEMENT 3 NT AND KIND 0 ZAIS DUE 0/40 Inca VELL STA AREA—MI 120	Producing LASOIL SATIO O GRAVITT-AFT (CORL) 39.0
PERFORATION REC. 0,998'-11, FREST PRODUCTS -23-94 OF TREST -24-94 TREST PRODUCTS AND TREST AND TREST AND TREST AND ATTACRES	0221 (.39" 0221 (.39" HOURS TERTED 24 hours CAMPO PERSON 540	96) ON METHOD (Flow Flowing CHOER SIEE 18/64" CALCULATED 24-ROUR EATS	PROD mg, gas lift, pu reco'n. ron reco'n. ron	DEFER INT. 10998-1 OUCTION OIL—ALL 35	N/A ACED. SHOT ENVAL (MD) 1022	FRACTO AMOU 91.500 2	RE CEMENT 3 NT AND KIND 0 ZAIS DUE 0/40 Inca VELL STA AREA—MI 120	QUELLE ITC. F MATERIAL USED gel & 116.000# rDrop plus rus (Producing ras-oil AATIO 0 GRAVITT-AFT (CORL) 39.0
PERFORATION SEC. 10,998'-11, PERFORATION SEC. 23-94 OF THET -24-94 - LOGS	0221 (.39" 0221 (.39" HOURS TERTED 24 hours CAMPO PERSON 540	96) ON METHOD (Flow Flowing CHOKE SIZE 18/64" CALCULATED 24-HOUR EATS	PROD mg, ges uft, pe recorn. For rest resion	DEPTH INT. 10998-1 OUCTION OIL—AL 35	N/A ACD. SHOT EVAL. (MD) 1022	91.500 2	RE CEMENT S NT AND KIND O GRIS DUF 0/40 Inca VALL STA AREA—————————————————————————————————	Producing CAPOLL AATIO O CAPOLL AATIO O CAPOLL AATIO O

TRUE VERT, DEPTH TOP GEOLOGIC MARKERS MEAS, DEPTH 3934 7769 10594 11211 Bone' Spring 3rd B.S. Sand HAME Delaware Wolfcamp . je ARY OF POROUS ZONES: (Skow all important ranes of potasity and contents thereoff cored intervels; and all recoveries); DESCRIPTION, CONTENTS, ETC. Sandstone, Shale, Limestone Limestone, Shale Redbed, Salt, Anhy Shale, Sand 3876 6273 10067 BOTTOM 11300 3876 6273 10067 TOP Delaware Bone Sp. Wolfcamp FORMATION ø B. S.

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

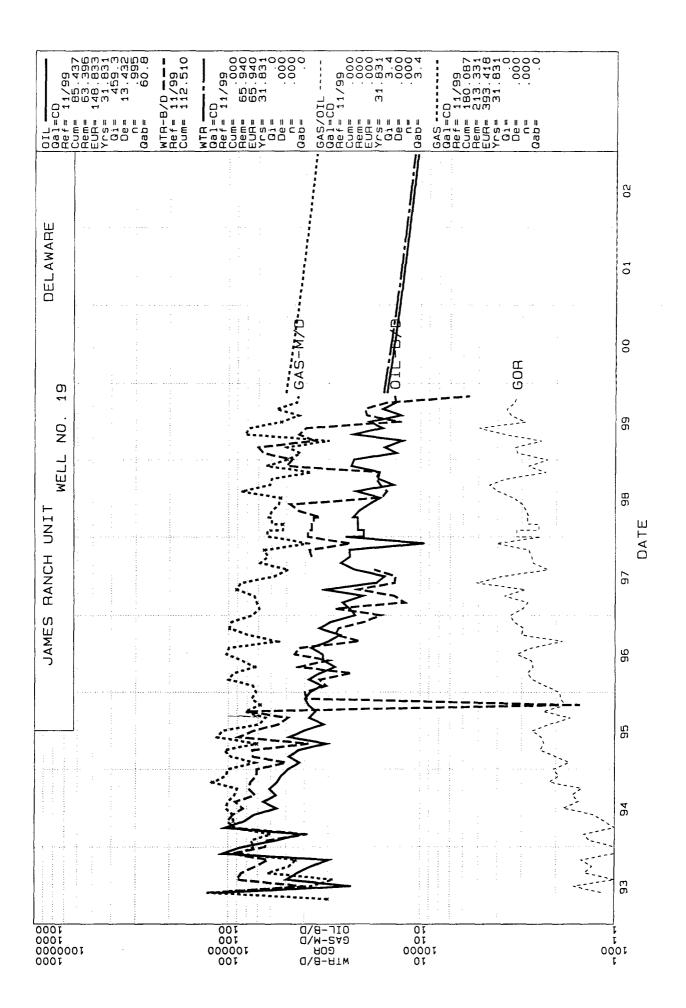
WELL DATA

WELL	JAMES RANCH UNIT NO. 19	FORMATION	DELAWARE
LOCATION	UNIT, 1980 FEET	FROMSLINE &	1980 FEET FROM E LINE
SECTION 36 TOV	WNSHIP 22S , RANGE	OE, COUNTY	EDDY , NEW MEXICO
SPUD DATE	COMPLETION DATE	4/24/93 INITIAL PRODU	ICTION 4/24/93
PERFORATIONS 671	7-6929', 7216-7234', & 7418-27'		
STIMULATION:			
ACIDPERI	FS 6717-6929' - SPOT ACID. PERFS 721	6-7234' - 2000 GALS 7-1/2% NEFE H	CL + 60 BALL SEALERS.
PERI	FS 7500-11' - 1250 GALS 7-1/2% NEFE	HCL + 24 BALL SEALERS. PERFS 741	8-7511' - 1250 GALS 7-1/2% NEFE HCL.
FRACTURE	PERFS 6717-6929' - 5000 GA	.S 40# GEL + 1,000# 16/30 SUPER L	.C SD + 3000# 16/30 SUPER LC RC SAND.
	PERFS 7216-7234' - 37,000 G	ALS VIKING 1-35 GEL & 100,320# 20	0/40 OTTAWA SAND. PERFS 7418-7511' -
	35,000 GALS VIKING I-35 DL	T, 76,000# 20/40 SAND, & 16,000#	RC 20/40 SAND.
	(A) (A) DEDEC (717 (A) (A) (A) (A) (A) (A)	NUMBER OF MOSE AND AND AND AND AND AND AND AND AND AND	701/ 70741 47 DODD A7 DUDD / F MCFD
	720/93) PERFS 6/17-8929' 80 BOPD, 6/ 1/93) PERFS 7418-7511' 150 BOPD, 22		7216-7234' 47 BOPD, 83 BWPD, 65 MCFD.
(Attach Copy of C-105. Attach Co	opy of Wellbore Sketch of Completed Well.)		•
	Value	TABLE CALCULATION	
	VOLUM	ETRIC CALCULATION	
			SANDS NOT PERFORATED BUT
		SANDS PERFORATED	POTENTIALLY PRODUCTIVE
Area (A) proration unit size, acres	40	40	40
Porosity (por), %	15.5%	16.0%	12.0%
Water saturation (Sw), %	60%	62%	60%
Net Thickness (h), ft.	7.5	15.5	63
Temperature (T), Fahrenheit	120	120	120
Bottom Hole pressure (P), psia	2,954	3,128	3,232
Recovery factor (RF), %	17%	17%	16%
Recoverable oil, BB;S *(See eq. belo	ow) <u>16,517</u>	33,493	100,097
 Sometimes unable to match performance 	mance que to volumetric uncertainty.		

PERFORMANCE DATA

(If sufficient history exists, att	ach plot of oil production rate	v time.)			
CUMULATIVE PRODUCTION	ON TO	11/30/99	;85,437	BBLS	
INITIAL RATE (qi)		<u> </u>	459	·-	
ECONOMIC LIMIT (qi)			60	_	
DECLINE RATE, dy (Hyperb	olic, n=.98)	13	.40%	_	
REMAINING OIL (Q) =	_	57	7,963	_	
ULTIMATE RECOVERABLE	OIL	14	3,400	_	
(Attach plat showing proratio	n unit and participating area.)				
		ECON	NOMIC		
WELL COST \$	570,000 (to the depth	of formation completed)			
RECOMPLETION COST \$	_30,000				
TOTAL COST \$	600,000				
YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTEDCASH FLOW	
ZERO	0	0	0	-570,000	
1	14,800	232,600	41,200	184,500	
2	23,000	374,400	61,100	276,700	
3	14,400	268,500	110,200	175,300	
4	11,400	280,800	45,600	170,000	
5	8,000	190,300	37,300	100,000	
6	7,200	123,400	34,500	52,600	
7	6,200	137,100	36,000	54,100	
8	5,000	140,700	30,100	53,600	
9	4,400	109,000	27,800	35,600	
10	4,000	92,400	26,400	26,100	
REMAINDER	45,000	1,001,100	534,900	101,200	

WELL IS COMMERCIAL



9

• •

JRU #19 DELAWARE PREPARED BY: KENT ADAMS

DATE : 02/08/00
TIME : 07:55:01
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 9

)

701 OWN/WI	700 LSE/WI	570 PRI/OIL 575 PRI/GAS	565 ATX	555 STX/OIL 560 STX/GAS	550 OPC/T	544 PRI/WTR 545 "	539 "	538 *	537 *			533 "	531 PRI/GAS 532 "	920	525	524 "	523 "			7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 L			440 START	435 WTR/OIL	430 START	425 GAS/OIL	420 START	410 OIL 415 "	405 START	ITEM	
100.0000	100.0000	9100 1300	.17	7.08 7.93	1600.00	.5000	2.57	2.58	2.60	2.11	2.59	2.61	1.8900	10.13	18.18	19.20	20.67	24.94	19.25	14 43	22.26	18.39	16.8800	04/93	1.04	11/99	3.37	11/99	459.32 162.18	11/99	SCHEDULING RATES	† † † † † † † † † † † † † † † † † † †
U	U	9100 1300	×	× ×	×	. 5000 X	×	×	××	: ×	×	× :	××	>	×	×	×	×	× >	< >	< ×	: ×	×		1.04		3.37		××		G RATES	
*	*	\$/B	eige.	ماه داه	X/S	\$/U \$/U	M/\$	\$/X	M/W	M/S	\$/M	S/M	X/X	\$/B	\$/B	\$/B	\$/B	\$/B	8/2 0/4/2	رة م/م	\$/B	S/B	\$/B		U/B		37 M/B		B/M B/M		t t t	I N
TO	то	To	TO	ijij	TO	1/2000 To	TO .	1/2002	1/2000	1/99	1/98	1/97	1/95 1/96	ä	1/2004	1/2003	1/2002	1/2001	1/2000	1/90	1/97	1/96	1/95	2	TO	~	09/2031		07/2012 23.71		SCHEDULE	PUT D.
LIFE	LIFE	TIFE	LIFE	LIFE	LIFE	AD LIFE	LIFE	ð i	a a	8	AD :	8	YY/MM	t t	g.	AD	B	A I	3 3	į	8 8	AD	XX/WW		LIFE		AD		IMI QV		UNTIL	ATA
FLAT	FLAT	PC	PC	PC Od	SCH	PC C	Od	od ,	, C) PC	PC	D.	S S	č	S S	PC	PC	PC :	מ מ	מיל	og C	PC	od PC		LIN		LIN		H/0.995 EXP		PROCEDURE	
. 00	. 00	. 00	.00	00	OPC	. 00	.00	. 00	. 00	. 00	. 00	. 00	. 00	. 00	. 00	.00	. 00	. 00			. 00	. 00	. 00		TIME		TIME		13.43 5.00		. E	
																													125.121 148.833		ULTIMATE	1 1 2 1 1 1 1 1
8/31	8/31	8/31 8/31	8/31	8/31 8/31	8/31	3/93 12/95	8/31	12/01	12/99	12/98	12/97	12/96	8/31	. 16/8	12/03	12/02	12/01	12/00	12/98	12/97	8/31	8/31	8/31		8/31		8/31		6/12 8/31		LAST	CAL
																													13.43 5.00		EFF. DECL	CULAT
1.000	1.000	910 130	. 002	.071 .079	1600.000	.500	2.570	2.580	2.270	2.110	2.590	2 610	1.890	18.130	18.180	19.200	20.670	24.940	19.430	20.740	22.260	18.390	16.880						459. 162.		INIT. RATE	ED DAT
1.000	1.000	18.130 2.570	.002	.071	1600.000	.500 1.940	2.570	2.580	2.270	2.110	2.590	2 610	1.890	18.130	18.180	19.200	20.670	24.940	14.430	20.740	22.260	18.390	16.880						162. 61.		FINAL RATE	A

PROJECT ASSUMPTIONS	201 LOSS NO 201 LOSS NO 205 CUMO, MB 8	800 DRILL 801 WORKOVER 802 SALVAGE	INVESTMENT	905 LOAD F 910 LOAD F 915 LOAD F	OVERLAYS	761 OWN/ORR	740 LSE/RIG 760 LSE/ORR	721 OWN/RI	720 LSE/RIC	
APTIONS 4/93 4/93 4/93	NO 85.44	240.00 .00 -24.00	TANGIBLES & INTANGIBLES	P.OIL OIL # P.GAS GAS ; P.WATER WTR	SCHEDULING RATES	.0000	12.5000	. 0000	12.5000	ì
TIME FRAM PW %-AGE PROD QUAL		330.00 M\$G 30.00 M\$G .00 M\$G	E INT	#	3 RATE	D	ם ם	ט	ש	
 	CUMG, MMF	30.00 M\$G 30.00 M\$G .00 M\$G	ANGIBLES		1 KS	₩	ste ste	مبن	96	
1*9 38*: 10.0	180.09	04/93 01/94 TO	TIME		SCHEDUI	īo	5 5	To	ro	•
1*9 38*12 1*600 10.0 DISC. CD OWNER		AD AD LIFE	1 1 1 1 1 1 1		SCHEDULE UNTIL	LIFE	LIFE	LIFE	LIFE	
600 DISC. FREQUENCY :	CUML, MB		PROCEDURE		PROCEDURE	FLAT	FLAT FLAT	FLAT	FLAT	
365. CD					1 1	. 00	. 00	. 00	. 00	
		570.000 30.000 -24.000	TOTAL T&I	85.847 181.393 112.510	ULTIMATE					,
OTHER QUAL :	 	4/93 1/94 8/31	HINOM	2/00 2/00 2/00	LAST	8/31	8/31 8/31	8/31	8/31)
8	1 1 2 2 5 4		RISK INV.		EFF. DECL					
	1	570.0 30.0 -24.0	RISK INV. TOT. T&I&R		INIT. RATE		. 125		. 125	
	1 1 1 1 1 1 1 1	570.0 30.0 -24.0	ESC. T&I&R		FINAL RATE		.125		. 125	

DATE : 02/08/00
TIME : 07:55:01
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 9

RESERVES AND ECONOMICS EFFECTIVE DATE: 4/93

			;	EFFEC	EFFECTIVE DATE:	E: 4/93	3	(
PERIOD ENDING	12/93	12/94	12/95	12/96	12/97	12/98		_	12/01	12/02	S TO	AFTER	TOT
OWNERSHIP 1) WORKING INTEREST, \$ 2) REVENUE INTEREST, \$	0 0	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000		100.000	100.000	100.000
INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	.0 570.0 .0 570.0	30.0 30.0 30.0	0000								600.0	-24.0 -24.0	.0 576.0 .0 576.0
OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	14.8 13.0 207.1 15.97	23.0 20.1 321.4 15.97	14.4 12.6 220.4 17.48	11.4 10.0 212.5 21.35	8.0 7.0 138.3 19.83	7.2 6.3 85.1 13.52	6.2 5.5 100.2	5.0 4.4 104.7 24.03	4.4 3.9 76.9 19.76	4.0 3.5 63.7 18.29	98.4 86.1 1530.4	45.0 39.4 677.9 17.22	143.4 125.5 2208.3 17.60
GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	16.5 14.5 25.5	34.4 30.1 53.0 1.760	30.3 26.6 48.1 1.810	31.5 27.5 68.3 2.480	24.2 21.1 52.0 2.460	22.1 19.3 38.3	19.7 17.3 36.9 2.140	16.6 14.6 36.0 2.470	15.0 13.1 32.1 2.450	13.4 11.7 28.6 2.440	223.7 195.8 418.7 2.139	151.4 132.5 323.2	375.1 328.2 741.8 2.260
WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	19.3 19.3	28.5 28.5	20.1 20.1 .500	10.9 10.9	7.8 7.8	11.9 11.9 .500	13.2 13.2	5.0 5.0	. 080 . 080	4.1 4.1 .080	125.6 125.6	46.8 46.8	172.4 172.4 172.4
GH GH	232.6 16.7 14.4	374.4 27.0 .6 19.2	268.5 19.4 .4	280.8 20.5 .4	190.3 13.9 .3	123.4 9.1 .2	137.1 10.0 .2 19.2	140.7 10.3 .2 19.2	109.0 8.0 .2 19.2	92.4 6.8 .1	1949.0 141.5 3.1 187.2		2950.1 215.2 216.6 643.2
	14.4 9.7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	19.2 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	19.2 10.1 .0 .0 .0 219.4 .0 219.4	19.2 5.5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	19.2 3.9 .0 .0 .0 .0 153.0	19.2 6.0 .0 .0 89.0 89.0	19.2 6.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	19.2 .4 .0 .0 .0 .0 .110.6	19.2 .4 .0 .0 .0 .0 81.3	19.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	187.2 57.0 .0 .0 .0 .0 .0 .0 1560.2 600.0 960.2	456.0 3.7 .0 .0 .0 .0 466.2 -24.0 490.2	643.2 60.8 .0 .0 .0 .0 .0 2026.3 576.0 1450.3
PRESENT WORTH @ 10.00 &	184.5 570.0 -385.5 -385.5	276.7 27.8 248.8 -136.7	175.3 .0 175.3 38.6	170.0 .0 170.0 208.6	100.0 .0 100.0 308.6	52.6 .0 52.6 361.3	54.1 .0 54.1 415.4	53.6 .0 53.6 469.0	35.6 .0 35.6 504.6	26.1 .0 .26.1 530.8	1128.6 597.8 530.8 530.8	101.2 8 102.1 632.9	1229.9 597.0 632.9 632.9

DATE : 02/08/00
TIME : 07:55:01
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 9

}

AFTER TAX ECONOMICS

PRESENT WORTH @ 10.00 \$ 30) NET INCOME 31) INVESTMENTS & RISK 32) A.F.I.T. NET 33) CUM. A.F.I.T. NET	20) REVENUE-SEV-WPT 21) - OPR. COSTS & ATX 22) + NPI OWNED - PAID 23) - F.I.T. 24) * A.F.I.T. 25) - LOAN REPAYMENT 26) - INTEREST PAID 27) * NET INCOME 28) - INVESTMENTS & RSK 29) * A.F.I.T. NET	TAX CALCULATIONS, M\$	PERIOD ENDING 12/93 TAX TREATMENT OF INVESTMENTS, M\$
239.9 570.0 -330.1	215.9 24.4 .0 -57.5 249.0 .0 .0 249.0 570.0	232.6 16.7 .0 24.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/93 IENTS, M\$
205.4 27.8 177.5 -152.6	347.4 34.1 80.8 232.6 .0 .0 232.6 30.0 202.6	374.4 27.0 34.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/94 30.0 .0
126.8 .0 126.8 -25.8	249.1 29.7 .0 60.6 158.8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	268:5 19:4 19:4 29:7 0 46:2 173:2 173:2 173:2 0 60:6	12/95
118.9 .0 118.9 93.1	260.3 25.1 .0 70.8 164.4 .0 .0 164.4	280.8 20.5 0.0 25.1 0.0 33.0 202.2 .0 202.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/96
70.4 .0 70.4 163.5	176.4 23.4 .0 .45.3 107.7 .0 .0 107.7	190.3 13.9 23.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	EFFECTIVE DATE: 2/96 12/97 1
38.7 .0 38.7 202.2	114.3 25.4 25.6 65.3 65.3 65.3	123.4 9.1 25.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/98 .0 .0
39.2 39.2 39.2 241.4	127.1 26.0 27.9 27.9 73.2 .0 .0 73.2	137.1 10.0 26.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/99
37.6 .0 37.6 278.9	130.4 19.8 19.8 33.1 77.5 .0 .0 .0 77.5	140.7 10.3 19.8 19.8 .0 .0 16.1 94.5 94.5 .0 94.5	12/00
23.2 .0 23.2 302.1	101.0 19.7 28.4 52.8 .0 52.8 52.8	109.0 8.0 19.7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/01
17.0 .0 17.0 319.1	85.6 19.7 23.1 42.8 .0 42.8 42.8	92.4 65.9 65.9 35.0 23.1	12/02
916.9 597.8 319.1 319.1	1807.5 247.3 .0 .0 336.1 1224.1 .0 .0 1224.1 600.0 624.1		S TOT
65.8 8 66.7 385.7	927.5 461.3 163.2 303.0 .0 .0 .0 303.0 .0 -24.0	1001.1 73.6 461.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	AFTER .0 .0 .0 .0 .24.0
982.7 597.0 385.7 385.7	2735.0 708.6 0 499.2 1527.1 .0 .0 1527.1 576.0 951.1	2950.1 215.2 10.0 708.6 -0 .0 360.0 240.0 1426.3 35.0 .0 1426.3	33.5 YR TOTAL 360.0 .0 216.0

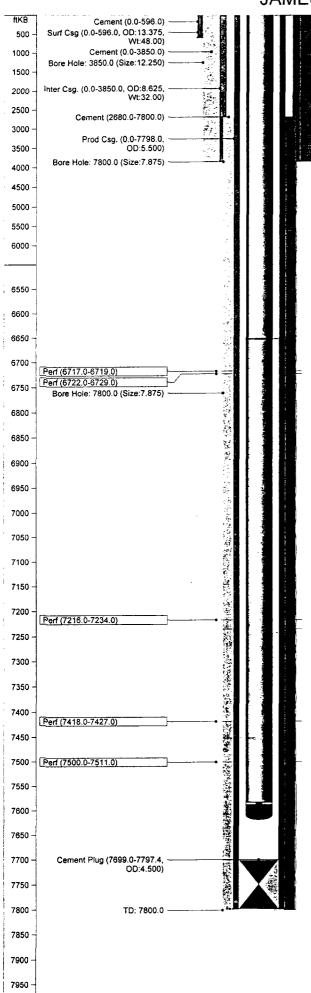
JRU #19 DELAWARE PREPARED BY: KENT ADAMS

DATE : 02/08/00
TIME : 07:55:01
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 9

ECONOMIC INDICATORS

AS OF DATE: 4/93

	1.65	DISCOUNTED NET/INVEST. 2.06	DISCOUNT
	2.65	UNDISCOUNTED NET/INVEST. 3.52	UNDISCOU
	2.97	DISCOUNTED PAYOUT, YRS. 2.53	DISCOUNT
	2.50	UNDISCOUNTED PAYOUT, YRS. 2.18	UNDISCOU
	31.0	RETURN, PCT. 38.3	RATE OF
-307.694 -328.705	-291.621 -313.030	90292.624 100318.883	
-282.360	-266,080		
-251.190			
-211.865	196.	-171	
-160.909	-82.156 -147.348	4020.419 50 =107 304	
10.013			
171.171	146.447		
481.107	385.737	10. 632.875	
583.937	458.024	8. 736.780	
713.660	544.369	6. 861,403	
792.456	594.269	5. 933.594	
1117.760	781.430	2. 1204.780	
1463.265	951 4122	0. 1450.342	
		PRESENT WORTH PROFILE AND RATE-OF-RETURN VS. BONUS TABLE	PRESENT V
М\$	M\$	М\$	
BONUS	WORTH	WORTH	
A.F.I.T.	A.F.I.T.	B.F.I.T.	



1CH UNIT	#19)							1/	24/00
JAMES RANCH										
API No.			7357			itus		<u> </u>	ACT O	
TD			ftKB		En	gine	er	ļ	KAA	
PBTD			ftKB					 		
Operator	В	EP				rmit				
Well No.		19) <u></u>		Sp	ud		<u> </u>	3/22/9	
ID Code					RF			ļ	4/5/9	
Field	LOS		DANOS	<u> </u>		mple			4/20/9	3
Author		RA.			La	st Ac	t	ļ		
Date Updated		2/29			Ab	ando	ned	<u> </u>		
Comments	Drille	d by	Enror	<u> </u>				<u> </u>		
Location										
Township		S	022				itude		0	·
					То	p Loi	ngitude		0	ł .
Range		E	030				Distar		1980.	0 ft S
					То	p EV	√ Dista	nce	1980.	0 ft E
Section			36		Во	ttom	Latitud	ie .	0	
Unit Ltr.	-		J		Во	ttom	Longit	ude	0	
State	NE	WI	MEXIC	0	Btr	n NS	Distar	ice	0.0	ft
County		E	DDY		Btr	n EV	V Dista	nce	0.0	ft
Elevations										
KB		332	3.5 ft		Ca	s Flr	ıa		0.0	ft
Grd			8.0 ft		Tu	ь Не	ad a	- :	0.0	
KB-Grd	-		.5 ft							
Casing String	Surf			na						
Item	To		Btm	Jn	te	-	D	Wt .	Grd	Thd
(in)			(ftKB)		its	•		***	Giu	mu
13 3/8 in Surf Csg			596.0		14	15	2.720	48.00		
Casing String								40.00		
							_	1014	<u> </u>	 ;
Item	To		Btm	Jn	เซร	ı	D	Wt	Grd	Thd
(in)	(πKI	B) ((ftKB)		25			00.00	i	
8 5/8 in Inter Csg.			3850.0		85		7.920	32.00		
Casing String -				$\overline{}$						
Item	Top	р	Btm	Jn	its	ı	D	Wt	Grd	Thd
(in)			(ftKB)							
5 1/2 in Prod Csg.		0.0 7	7798.0	1	74		.890	0.00		
Casing Cemen	t									
Casing String	1	Т	ор	An	nou	nt		Com	ments	
		(ft	KB)		(sx)	. !				
Surface Casing			0.0			325				
Intermediate Casi	ng		0.0		1:	525				
Production Casing	3	2	680.0			744				
Tubing String -		ary	/ Tubi	na						
Item	То		Btm		Jnt	s	ID	Wt	Grd	Thd
(in)	(ftK	B۱	(ftKE		•	-	(in)		!	
2 7/8 in Tbg			7581		24	15	2.441	6.50	J-55	8RD
4 57/64 in TAC		0.2				-	0.000	0.00		1
2 7/8 in SN	· 	11.7					0.000			
2 7/8 in PS		2.8					0.000	+		
2 7/8 in Tbg		6.9					0.000			
w/BP&C	;		, , , ,				0.000	0.00		j
Other (plugs, e	auin	o.f	~ \ _ D	مرا		10k		i		
	quip.	, 61		m	100	ICK		Ţ	lm4	
Date			ite	****					Int	
AIEIO2		Divi						700	(ftKB	
	ement	Pluç	J					/ / 08	9.0 - 7	797.4
Perforations										
Date	1		Int	t			- 1	hots	Statu	ıs
	<u>:</u>							(/ft)	<u> </u>	
4/13/93		74	18.0 -	742	7.0			2.	0 ;	
4/13/93		75	00.0 -	751	1.0			2.	0	
6/11/93		72	16.0 -	723	4.0			2.	0	
10/30/93	1		17.0 -					2.	0	
10/30/93	i	67	22.0 -	672	9.0			2.	0	
Stimulations &	Trea									
Date Type			Interv	al		F	luid	San	d Co	mment
4/17/93 Sand Frac		741	8.0 - 7	511	.0	<u>-</u>		J-11		
6/17/93 Sand Frac			6.0 - 7						- 	
11/3/93 Sand Frac			7.0 - 6							
Junio i iac		<u> </u>		· <u></u>						

WELL HISTORY

WELL NAME:

James Ranch Unit No. 19

FIELD NAME:

Los Medanos (Cherry Canyon)

LOCATION:

1980' FSL & 1980' FEL, Sec 36, T22S, R30E, Unit J

Eddy County, New Mexico

ELEV:

3308' GL, 3323.5' KB

SPUD DATE:

3/22/93

COMP DATE:

4/12/93

ORIG TD:

7,800'

CASING:

13-3/8" 48# CSA 596' w/625 sx, cmt circ, 17-1/2" hole 0-596'. 8-5/8" 32# CSA 3850' w/1525 sx, cmt circ, 12-1/4" hole 596-3850'. 5-1/2" 17# & 15.5# CSA 7798' w/744 sx, TOC 2680' (TS), 7-7/8" hole 3850-7800'.

TBG:

2-7/8" tubing.

DST:

CORES & LOGS:

CNL-GR-DIL-Caliper

(4/3/93)

INITIAL COMPLETION

4/3/93-5/11/93

INITIAL COMPLETION

TD 7800'. Ran CNL-GR-DIL-Caliper and CBL-CCL-GR.

4/13/93

Perf 7418-27', 1 SPF, 7500-11', 1 SPF. Circ hole w/500 gals Xylene & 500 gals 7-1/2% NEFE HCl acid. Acidized 7500-7511' w/1250 gals 7-1/2% NEFE HCl acid & 24 BS. Spotted 100 gals acid. Acidized all perfs w/1250 gals 7-1/2% NEFE HCl acid. Form broke @ 2700#. Frac all perfs w/35,000 gals Viking I-35 DLT $w/76,000\#\ 20/40$ sd & 16,000# RC 20/40 sd. Tag sd @ 7540'. Wash sd to 7696'. Installed compressor & prod. equip.

IP: 5/11/93 24 hr P 150 BO, 220 BW, & 85 MCF.

WORKOVERS

6/10/93-8/26/93

PERF BRUSHY CANYON "U"

Set RBP @ 7370' w/10' 20/40 sd on top.

6/11/93

Perf 7216-7234', 2 SPF. Pumped 150 gals 7-1/2% NEFE acid, disp w/41 bbls treated 2% KCL. Acid on spot 7234-7100'. Set pkr @ 7100'. Pumped 2000 gals 7-1/2% NEFE HCL, flushed w/44 bbls treated 2% KCl. Rel pkr @ 7100'. Acidized 7216-7234' w/2000 gals 7-1/2% NEFE HCl & 60 BS. Frac treated w/37,000 gals Viking I-35 gel & 100,320# 20/40 Ottawa sd. Ran 3-5/8" tracer scan log 7318-7000'.

TOH w/RBP. All 3 sands commingled.

AWO: 8/26/93 24 hr P 47 BO, 83 BW, & 65 MCF.

JAMES RANCH UNIT NO. 19 WELL HISTORY PAGE TWO

10/30/93-12/20/93

PERFORATE CHERRY CANYON

10/30/93

Perf 6717-19', 6922-29', 2 SPF. Set RBP @ 6772'. Spot acid. Break down form w/3125#. Pump acid w/50 7/8" BS, flush w/2% KCL. Dump 2 sx 12/20 frac sd on RBP, flush w/30 bbls KCL. PU to 6621'. Frac w/2500 gals 40# linear gel pad, 500 gals 40# linear gel w/2 ppg 16/30 Super LC sd, 1000 gals 40# linear gel w/3 ppg 16/30 Super LC resin coated sd, & 1000 gals 40# linear gel.

AWO: 12/20/93 24 hr P 80 BOPD, 67 BW, & 80 MCF.

2/28/94-3/3/94

COMMINGLED PRODUCTION

Tagged sd @ 6940'. Bailed sd to RBP @ 6984'. Rel & TOH w/RBP. Bailed sd to 7701'. Put well back on prod.

AWO: NR.

11/17/97

Lowered pump below perfs.

E LARRY W. BUSBY R.P.S. #11398

JCB NO. 94424

V.H.B.

O. Box 1980 bbs. " 88240

STRICT II esia. NM 88210

OIL CONSERVATION DIVISION P. 0. Box 2088 Santa Fe, New Mexico 87504-2088

STRICT III

330

660 990 1320 1650 1980 2310 2640

OC Rio Brazos Rec. NM 87410		distances mu		n the ou				
ENRON	OIL & G	AS COMPAN	Y	Lease	IAMES RA	NCH UNIT	•	Well No.
it Letter Sec	tion 36	Township	SOUTH	Benge	O EAST, N	vpv	County	EDDY
nal footage Locati		55	300111		O LACI, 11			2001
	et from the	SOUTH	line an		80'	feet from	the EAS	T line
und Level Elev.	Producing Po			Pool Wilde	. +		-	40
		elaware				oil or bachu		the plat below.
2. If more to working 3. If more	than one lea ng interest a than one lea	se is dedicate nd. royaity).	d to the i	well, outlin is dedic	ne each an ated to the	d identify the well, have	e ownersnip	thereof (both as
If the arever No allow unitization	☐ No nawer is "no" rse side of t able will be	If answer, list the own his form if ne assigned to tioling, or other	is "yes" ers and tr eccessary.) he well un	, type o ract desc itil all int	f consolid riptions whi erests have	ation cn have acti	olidated (by	communitization,
		· · · · · · · · · · · · · · · · · · ·					OPERATO	R CERTIFICATION
	# 	 			\ 		l he information complete	reby certify that the herein is true and to the poest of m
•	1 1	} !		•	<u> </u>		Strature Printed Name	and build.
								ldon ry Analyst
	1 	1					Date	1 & Gas Company
					 			R CERTIFICATION
-			<u></u>		 1980°		well location was plotted actual surv	reby certify that the n shown on this pla t from field notes of teys made by me o
13 P	HEZZI CO	N					the same	supervision, and the is true and correct to the is true and correct to the interest of my knowledge
13.4	20123210:0	SOLUTION OF THE PROPERTY OF TH	1980	o•			Professional S	UARY 12, 1993
	S0233210.	1			•		L-	_ L. h_
	i .	1	Į.	į		1 }	Cartificate No	

1500

2000

500

1000

State of New Mexico

W.	Us fel 3 7 TESTION
-	CAUG 2 Form Cios Revisal 1-1-49

Disma Office State Lease — 6 copies	Energy, Minerals and Natural Resources Department	Re
Fox Lease — 5 copies DISTRICT I P.O. Sax 1980, Hobbs, NM 82240	OIL CONSERVATION DIVISI)N P.O. Box 2088	WELLAPI NO. 30 015 27357
USTRICT II .O. Drawer DD, Anesis. NM 88210	Santa Fe, New Mexico 87504-2088	5. Indicate Type of Lease STATE
015TRICT III 1000 Rio Brazos Rd., Azzec, NM 87410		6. Sizie Oil & Gas Lesse No. E-5229-5
	OR RECOMPLETION REPORT AND LOG	
2. Type of Well: OIL WELL X GAS WELL	DRY OTHER	7. Lean Name or Unit Agreemen
b. Type of Completion: NEW WORK DESIREN WELL OVER DESIREN	FLUXO DREP CONTERN	James Ranch Unit
. Name of Operator Enron Oil & Gas Compan	v	L Well No.
Address of Operator		19

b.	Type of Completic	z — _	FUND	DOFF CO	THER			James Ra	nch Uni	t	, ,
2	Name of Operator							L Well No.			
L		& Gas Compa	ny 						19		
	Address of Operas	2267, Midla	nd Tayas 7	9702			{ ·	, root name o			
,	Weil Location	2207, Fildia	ilu, lexas /		·			Wildcat	Delawar	<u>e</u>	
	Unit Lener	<u>J</u> : 1	980	south		Line ==	1980	Feet Fro		ast	منا ا
	Section	36	Townsie	225	Range	30E	NM	rm Edd	y		County
L	Dzia Spudded 3 – 22–93	11. Date T.D. Res 4-2-93		Compt. (Ready -12-93	io Prod.)	13. 1	3308' GR	L RKB, RT, GR.	esc.) le	4. Elev. C 330	8 t
	Taul Depth 7800	16. Ping Bi 769		17. If Multiple Many Zoo	e Compt.) ans?	How	18. Intervals Dailed By	Rossy Tools	X i	able Too	is
	Producing interval 418' - 7511'	s), of this completion	- Top, Bottom, Na	ne		,		20	. Was Direct	ional Sun	rey Made
	Type Electric and C	Ather Logs Rum C, LS-8HC-A	L/GR, ZDL/C	N/GR/C				22. Was Well	Correct No		٠
Ī			CASING	RECORD	(Repor	t all strin	igs set in w	reil)			
	CASING SIZE	WEIGHT L		ria sei		LE SIZE		ENTING RE	CORD	IAMO	UNT PULLED
	13-3/8	1 48#]	596'	1 17	-1/2		acesetter	· lite		
	2.20	- 			<u> </u>			Class C			culated
	8-5/8	32#		3850'	1 12	-1/4		acasattar	·lite		
	5-1/2	17# & 15	54	7798'	7	-7/8		Class C	67 11		culated 2680
24	3-1/2	1 17 6 1	LINER REC		1 /	-1/0	1398 <u>1.1</u> 125		CI H ING RECO		Temp Surve
	SIZE	TOP	BOTTOM	SACKS CE	MENT	SCREE		SIZE	DEPTH S		PACKER SET
	ł			1	T		12-7		73591		
	1						į į				
4	विद्यांक्याका रक्ट	caci (incervai, siz	e, 2014 तथलांग्ला)			II. ACI	D. SHOT. F	RACTURE.			
	2444 ***						YTERVAL		L YND KINI		
	7418-7427					7418'-	7511'	35.000 g	als Vil	نومن	<u> 35 OLT </u>
	7500-7511	(12 .32"	}		į			containi	ng 76.0	100#_2	20/40 sand

containing 75.000 16,000# RC 20/40 PRODUCTION Well Status (Prod. or Shu-in) Date First Production Production Method (Flowing, gas lift, promping - Size and type pump) Flowing Producing 4-19-93 GAS - Oil RADO Date of Toss Oil - BbL Hours Tested Choke Size Prod's For Gas - MCF Test Period 751 48/64 24 213 160 1 240 4-20-93 Oil Gravity - API - (Corr.) Flow Tubing Press. Culculated 24-Hour Rate Oil - BbL Water - BbL CLORE Pressure Gas - MCF 20 40.7 310 29. Disposition of Gas (Sold, used for fuel, verted, etc.) Tes Witnessed By Vented

Printed Betty Gildon

Title Regulatory Analsytine

30. List Attichments

's, Inclination Report, C-104

II. I he of certify that the information snown on both sides of this form is true and complete to the best of my incimilitye and belief

CLARK, MANGAN, ME CREIGHT.

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 of 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 sparses conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, in critical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filled in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

		New Mexico	" Northwes	stern New Mexico
T. Anhy		T. Caryon 3865	T. Ojo Alamo	T. Penn. "B"
T. Sait		T. Strawn	T. Kirdand-Fruidand	T. Penn. "C"
B. Salt 3580		T. Atoka	T. Picarred Cliffs	T. Penn. "D"
T. Yates		T. Miss	T. Cliff House	T. Leadville
				T. Madison
				T. Elbert
				T. McCracken
T. San Andres		T. Simeson	T. Gailup	T. Ignacio Otzte
T. Glorieta		T. McKee	Base Greenhorn	T. Granite
T. Paddock		T. Ellenburger	T. Dakota	т.
			T. Morrison	
T. Tubb		T. Delaware Sand 382		T
T. Drinkard		T. Bone Springs 765	2 T. Entrada	
T. Abo		TC. Canyon Mrkr 493	5 T. Wingate	т
T. Wolfcamp		T. Brushy Canyon 635	3 T. Chinle	т
T. Pennt		Т.	T. Permain	T.:
T. Cisco (Bough C)		τ.	T. Penn "A"	т.
7.4			SANDS OR ZONES	
NC. I. DUM	18	.10	No. 3, from	to
2. from	ΩQ	to 7511	No. 4, from	
		IMPORTAN	T WATER SANDS	
Include data on rate o	of water inflow	and elevation to which water:	rose in hole.	·
Na. 1, from			feet	
No. 2. from	*************		fct	*********
			feet	
			(Attach additional sheet if ne	
			/	

						1 311001 11 1	
Fron	To	Thickness is Feet	Lishology	From	To	Thickness in Feet	Lichalogy
0 515 4270 5580 7380	515 4270 5580 7380 7800	515 3755 1310 1800 420	Surface Rock Salt, Anhy Sand Shale, Sandstone Limestone, Shale				
			<u>-</u>				
		,					

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL		JAMES RANCH	I UNIT NO	D. 29		FORMATION		DELAW	VARE
LOCATION	К	UNIT,	2310	FEET FROM	w	LINE &	1980	FEET FROM	S LIN
SECTION	36TOWNSHIP	225	RANGE	30E	_, COUNTY		EDDY		, NEW MEXICO
SPUD DATE	1/16/94	_ COMPLETION	N DATE	2/20)/94	_INITIAL PRODU	ICTION		2/20/94
PERFORATIO	ONS <u>7200-7215</u>	' & 7460-7518'							· · · · · · · · · · · · · · · · · · ·
STIMULATIO	ON:	1.12.					,		
	ACID PERFS 7200)-7215' - 1000 G	ALS 7-1/2	2% HCL ACID	ADDITIVES	& 40 BALL SEAL	ERS.		
	PERFS 7460	9-7518' - 2000 G	GALS 7-1/2	2% HCL ACID +	- 70 BALL SE	ALERS.			
	FRACTURE	PERFS 7200-7	7215' - 19	,100 GALS DO	WELL GUAR-B	SASED 30# XL W.	/BORATE &	104,000# 20/4	O BRADY
		SAND. PERFS	<u> </u>	18' - 39,600 GA	LS 35# XL FL	UID + ADDITIV	ES W/153,3	40# 20/40 OTT.	AWA SAND &
		50 000# 20/4	40 CURAE	BLE RESIN-COA	TED SAND.		····		
		<u> </u>							
							···-	····	
POTENTIAL	2/22/94 PI				, 188 BWPD				
	2/22/94 Pl	ERFS 7460-7518	' 248 BO	PD, 155 MCFPD	, 188 BWPD				
		ERFS 7460-7518	of Comple	PD, 155 MCFPD					
		ERFS 7460-7518	of Comple	PD, 155 MCFPD		TION	10 10 10		
		ERFS 7460-7518	of Comple	PD, 155 MCFPD					
		ERFS 7460-7518	of Comple	PD, 155 MCFPD	CALCULA	in the state of th		T PERFORATED I	
(Attach Copy		ERFS 7460-7518	of Comple	PD, 155 MCFPD sted Well.) /OLUMETRIC	CALCULA	in the state of th			
Attach Copy	of C-105. Attach Copy o	ERFS 7460-7518	of Comple	PD, 155 MCFPD sted Well.) /OLUMETRIC	CALCULA PRATED	in the state of th			
Attach Copy Area (A) proi	of C-105. Attach Copy o	ERFS 7460-7518	of Comple	PD, 155 MCFPD sted Well.) /OLUMETRIC	PRATED 40	in the state of th			
Attach Copy Area (A) proi Porosity (por) Water saturati	or of C-105. Attach Copy or or or or or or or or or or or or or	ERFS 7460-7518	248 BO of Comple V 40 15.9%	PD, 155 MCFPD sted Well.) /OLUMETRIC	PRATED 40 12.0%	in the state of th			
Area (A) proi Porosity (por) Water saturati	or of C-105. Attach Copy or or or or or or or or or or or or or	ERFS 7460-7518	40 15.9%	PD, 155 MCFPD sted Well.) /OLUMETRIC	PRATED 40 12.0% 60%	in the state of th			
Area (A) proo Porosity (por) Water saturati Net Thickness	or of C-105. Attach Copy of Cration unit size, acres), % ion (Sw), % s (h), ft.	ERFS 7460-7518	40 15.9%	PD, 155 MCFPD sted Well.) /OLUMETRIC	PRATED 40 12.0% 60% 70	in the state of th			
Area (A) proo Porosity (por) Water saturati Net Thickness	or of C-105. Attach Copy of C-105. Attach Co	ERFS 7460-7518	40 15.9% 63% 9-2	PD, 155 MCFPD sted Well.) /OLUMETRIC	PRATED 40 12.0% 60% 70 120	in the state of th			

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

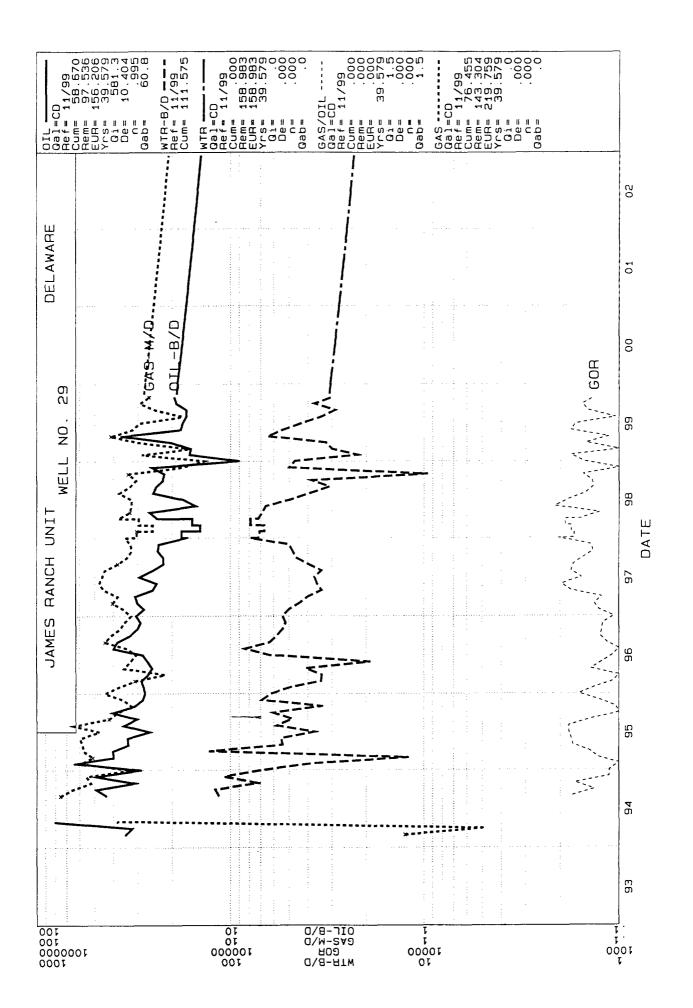
- Formula =

Boi = 1.50

WELL IS COMMERCIAL

PERFORMANCE DATA

(If sufficient history exists,	attach plot of oil production ra	te v time.)		
CUMULATIVE PRODUC	TION TO _	11/30/99	; 58,670	BBLS
INITIAL RATE (qi)	_	58	31	_
ECONOMIC LIMIT (qi)	_	6	0	_
DECLINE RATE, dy (Hyp	erbolic, n=.995)	10.4	10%	
REMAINING OIL (Q) =	_	86,	430	
ULTIMATE RECOVERAB	BLE OIL _	145,	100	_
(Attach plat showing prora	ation unit and participating area	.)		
				•
		ECON	юміс	
WELL COST \$	570,000 (to the depth	of formation completed)		
RECOMPLETION COST S	\$ 48,000			
TOTAL COST \$	618,000			
YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW
ZERO	o	0	0	-570,000
1	10,600	153,300	37,700	110,400
2	13,100	215,900	45,000	148,300
3	11,100	224,600	44,900	141,200
4	9,200	180,700	40,700	99,500
5	6,900	94,900	37,700	36,800
6	7,200	127,100	35,400	53,400
7	6,600	152,200	31,200	63,700
8	5,900	114,900_	28,500	41,200
9	5,400	98,100	27,200	30,600
10	5,000	86,000	26,100	23,300
REMAINDER	64,200	1,107,600	579,700	107,300



11/99	SCHEDULING RATES	
	ATES	I N
	SCHEDULE UNTIL	INPUT DATA
	PROCEDURE	6 6 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	ULTIMATE	
	LAST	CAI
,	EFF. DECL	CULAT
	LAST EFF. DECL INIT. RATE	CALCULATED DATA
	FINA	A

	580 PRI/GAS1300	575 ATX .17	565 STX/OIL 7.08 570 STX/GAS 7.93	560 OPC/T 1600.00	544 PRI/OIL9100 549 PRI/GAS1300 554 PRI/WTR .5000 . 555 " .08	2.60 2.58 2.57		PRI/GAS 1.8900 " 1.94 " 2.61			518 " 22.26 519 " 20.74 520 " 14.43 521 " 19.25	516 PRI/OIL 16.8800 517 " 18.39	430 START 11/99 435 WTR/OIL 1.63 440 START 2/94	420 START 11/99 425 GAS/OIL 1.47	405 START 11/99 410 OIL 581.26 415 " 269.66	ITEM SCHEDULING RATES
	.9100 \$/B	*	* *	X \$/M	9100 \$/B 1300 \$/W .5000 \$/U x \$/U	X \$/M X \$/M		W/\$ W/\$ X \$/M			X X \$/B B/\$ X X \$/B		1.63 U/B	1.47 M/B	X В/М X В/М	RATES
331.1 OT	TO LIFE	TO LIFE	TO LIFE	TO LIFE	TO LIFE TO LIFE 1/2000 AD TO LIFE		8	1/95 MM/YY 1/96 AD 1/97 AD	1/2003 AD 1/2004 AD TO LIFE		3	1/95 MM/YY 1/96 AD	TO	06/2039 AD	05/2010 AD 48.85 IMU	SCHEDULE UNTIL
FLAT	Od Dd	Öđ	D d	SCH	3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	94 94 94	р С С С	2 2 d	o o o	ъс 2	2 2 2 2 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4	od Od	LIN 1	TIN 7	H/0.995 EXP	PROCEDURE
. 00	. 00	.00	.00	OPC		.00	 . 00	.00	.00	. 00		. 00	TIME	TIME	10.40 107.355 5.00 156.206	ULTIMATE
F / 30	5/39 5/39	5/39	5/39 5/39	5/39	5/39 5/39 1/94 12/95	12/00 12/01 5/39	12/97 12/98 12/99	5/39 5/39 12/96	12/02 12/03 5/39	12/00	5/39 5/39 12/98	5/39 5/39	5/39	5/39	55 4/10 10. 56 5/39 5.	LAST EFF. DI
1.000	910 130	. 002	.071 .079	1600.000	910 130 .500	2.600 2.580 2.570	2.590 2.110 2.270	1.890 1.940 2.610	19.200 18.180 18.130	24.940 20.670	22.260 20.740 14.430	16.880 18.390			.40 581. .00 270.	DECL INIT. RATE
1.000	18.130 2.570	.002	.071	1600.000	18.130 2.570 .500 1.940	2.600 2.580 2.570	2.590 2.110 2.270	1.890 1.940 2.610	19.200 18.180 18.130	24.940 20.670	22.260 20.740 14.430	16.880 18.390			270. 61.	FINAL RATE

PROJECT ASSUMPTIONS BASE DATE : 2/9 P.W. DATE : 2/9 REPORT DATE : 2/9	201 LOSS 1 205 CUMO, MB 210 LOSS 1	RESERVE PARAMETERS	800 DRILL 801 WORKOVER 802 SALVAGE	INVESTMENT	905 LOAD 1 910 LOAD 1	OVERLAYS	761 OWN/ORR	740 LSE/RIG 760 LSE/ORR	721 OWN/RI	720 LSE/RIC	701 OWN/WI	
MPTIONS : 2/94 : 2/94 : 2/94	NO 58.67	METERS	240.00 .00 -24.00	TANGIBLES	P.OIL OIL # P.GAS GAS # P.WATER WTR	SCHEDULING RATES	.0000	12.5000	.0000	12.5000	100.0000	}
TIME FRAMES PW %-AGE PROD QUAL	Ω	<u>.</u>	330.00 M\$G 48.00 M\$G .00 M\$G	& INTANGIBLES	#	G RATES	U	שט	b	ם	U	
RAMES: GE: UAL:	CUMG, MMF	ITEM	.00 M\$G .00 M\$G	NGIBLES			do.	ste ste	46	de	ap.	
1*11 38* 10.0	76,46	; ; ; ; ; ;	02/94 07/96 TO	TIME		SCHEDULE UNTIL	TO	To	TO	TO	To	•
38*12 1*600 DISC. OWNER			AD AD LIFE	i i i 1 1		E UNTIL	LIFE	LIFE	LIFE	LIFE	LIFE	
*600 DISC. FREQUENCY : OWNER QUAL :	CUMI, MB	ITEM		PROCEDURE		PROCEDURE	FLAT	FLAT FLAT	FLAT	FLAT	FLAT	
365.		i ! !		i i i			. 00	. 00	. 00	. 00	. 00	
ОТН		t : : : : :	570.000 48.000 -24.000	TOTAL T&I	59.257 77.245 111.575	ULTIMATE						
OTHER QUAL :		: : : : :	2/94 7/96 5/39	MONTH	2/00 2/00 2/00 2/00	LAST	5/39	5/39 5/39	5/39	5/39	5/39	.)
 G		! ! !		Ä	:	EFF. D						
		: :		INV.		TOECL						
		; ; ; ;	570.0 48.0 -24.0	TOT. TELER		INIT. RATE		. 125		.125	1.000	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	570.0 48.0 -24.0	ESC. T&I&R		FINAL RATE		.125		. 125	1.000	

)

_}

DATE : 02/10/00
TIME : 11:23:14
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 1

RESERVES AND ECONOMICS EFFECTIVE DATE: 2/94

PRESENT WORTH @ 10.00 &	ECONOMICS, M\$ 19) GROSS REV. TO INTR. 20) - SEV. TAX 22) - AD VALOREM TAX 23) - OPERATING COSTS 24) - SWD 25) - CAPITAL REPAYMENT 26) - INTEREST PAID 27) + NPI OWNED - PAID 28) = NET INCOME 29) - INVESTMENTS & RSK 30) = BFIT NET	WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, MS 15) GAS PRICE, \$/MCF	OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	PERIOD ENDING OWNERSHIP1) WORKING INTEREST, % 2) REVENUE INTEREST, %
110.4 570.0 -459.6 -459.6	153.3 11.0 17.6 8.9 .0 .0 .115.6 570.0	17.8 17.8	9.8 8.6 14.0	10.6 9.2 139.2 15.06	.0 570.0 .0	12/94 100.000 87.500
148.3 .0 148.3 -311.2	215.9 15.5 3 19.2 10.0 .0 .0 .0 .0 .0	20.0	17.9 15.7 26.4 1.680	13.1 11.4 189.6 16.57		12/95 100.000 87.500
141.2 37.7 103.5 -207.7	224.6 16.1 19.2 9.2 9.2 .0 .0 179.8 48.0	18.4 18.4	12.6 11.0 25.9 2.350	11.1 9.7 198.8 20.44	4	12/96 100.000 87.500
99.5 .0 99.5 -108.2	180.7 13.0 19.2 8.2 .0 .0 .140.0	16.4 16.4	14.2 12.4 29.0 2.330	9.2 8.0 151.7 18.92		12/97 100.000:
36.8 .0 36.8 -71.4	94.9 6.9 .1 19.2 11.5 .0 .0 .0 .0 .0 .0	23.0 23.0	11.4 10.0 18.5 1.850	6.9 6.1 76.4 12.61		12/98 100.000:
53.4 .0 53.4 -18.1	127.1 9.1 .2 19.2 6.9 .0 .0 .0 91.7	13.9 13.9	9.6 8.4 16.8 2.010	7.2 6.3 110.3		12/99 100.000 87.500
63.7 .0 63.7 45.6	152.2 10.9 19.2 19.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	10.8	9.6 8.4 19.6 2.340	6.6 5.7 132.5 23.12		12/00 100.000 87.500
41.2 .0 41.2 86.8	114.9 8.3 19.2 19.2 .0 .0 86.5	9.6 9.6	8.7 7.6 17.6 2.320	5.9 5.2 97.3 18.85		12/01 100.000 87.500
30.6 .0 30.6 117.4	98.1 7.1 1.2 19.2 .7 .0 .0 .0 71.0	. 8. 8 8. 8	7.9 6.9 16.0 2.310	5.4 4.7 82.1 17.38		12/02 100.000 87.500
23.3 .0 23.3 140.8	86.0 6.2 119.2 .0 .0 59.8	.080 8.1	7.3 6.4 14.8 2.310	5.0 4.4 71.2 16.36		12/03
748.5 607.7 140.8 140.8	1447.7 104.2 2.3 190.4 57.8 .0 .0 .0 .0 .0 .0 .1093.1 618.0 475.1	146.9 146.9	109.0 95.4 198.6 2.081	80.9 70.8 1249.1 17.65	.0 618.0 .0	S TOT
107.3 7 108.0 248.7		104.7 104.7 .080	94.4 82.6 190.8 2.310	64.2 56.2 916.8 16.31	-24.0 -24.0	AFTER
855.7 607.0 248.7 248.7	2555.3 184.2 4.0 680.0 66.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	251.6 251.6	203.4 178.0 389.4 2.187	145.1 127.0 2165.9 17.05	594.0 594.0 594.0	35.4 YR TOTAL 100.000 87.500

AFTER TAX ECONOMICS

PRESENT WORTH @ 10.00 \$ 30) NET INCOME 31) INVESTMENTS & RISK 32) A.F.I.T. NET 33) CUM. A.F.I.T. NET	20) REVENUE-SEV-WPT 21) - OPR. COSTS & ATX 22) + NPI OWNED - PAID 23) - F.I.T. 24) = A.F.I.T. 25) - LOAN REPAYMENT 26) - INTEREST PAID 27) = NET INCOME 28) - INVESTMENTS & RSK 29) = A.F.I.T. NET	TAX TREATMENT OF INVESTMENTS, M\$ 1) EXP, RISK & CAP INT 330.0 2) DEPLETABLE 240.0 TAX CALCULATIONS, M\$	PERIOD ENDING
192.6 570.0 -377.4 -377.4	142.3 26.7 .0 -86.1 201.6 .0 .0 201.6 570.0	153.3 111.0 240.0 240.0 240.0 240.0 111.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/94
113.7 .0 113.7 -263.7	200.4 29.6 39.9 130.9 130.9 .0 0 130.9	215.9 15.5 15.5 29.6 29.6 29.6 114.1 114.1 114.1 35.0 39.9	12/95
116.9 37.7 79.2	208.5 28.8 30.9 148.8 .0 148.8 148.8	22 48.0 11.24.00.45.00.0 22.34.00.45.00.0 30.00.00.00.00.00.00.00.00.00.00.00.00.0	12/96
72.4 .0 72.4 -112.1	167.7 27.7 .0 .38.1 101.8 .0 .0 .0	180.7 13.0 27.7 27.7 109.0 109.0 35.0 38.1	12/97
28.9 .0 28.9 -83.2	30.8 30.8 112.3 44.9 44.9	94 6.9 30.8 35.0 35.0 35.0 35.0	2/97 12/98
39.0 .0 39.0	118.0 26.3 .0 24.6 67.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	127.1 9.1 26.3 70.2 15.0 24.6	12/99
45.4 45.4 1.2	141.2 20.3 34.8 86.1 .0 .0 86.1	152.2 10.9 10.9 20.3 20.3 20.3 21.4 99.5 21.4 99.5	12/00
28.9 .0 28.9 30.1	106.6 20.2 .0 25.9 60.6 .0 .0	114.9 8.3 20.2 20.2 74.0 35.0	12/01
19.9 .0 19.9 50.0	91.0 20.1 24.8 46.1 .0 46.1 46.1	98.1 98.1 7.1 20.1 1.0 71.0 35.0	12/02
15.2 .0 15.2 65.1	79.8 20.9 38.9 .0 38.9	20.00 20.00	12/03
672.8 607.7 65.1 65.1	1343.5 250.4 .0 166.3 926.8 .0 .0 926.8 .0 926.8	378.0 240.0 240.0 1447.7 104.2 250.4 .0 250.4 .0 240.0 475.1 .0 .0 240.0 475.1 .0	S TOT
69.7 7 70.4 135.6	1027.5 499.7 .0 184.7 343.1 .0 .0 343.1 -24.0 367.1	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	AFTER
742.6 607.0 135.6 135.6	750.2 750.2 351.0 1269.9 1269.9 1269.9 594.0	378.0 216.0 216.0 216.0 2555.3 184.2 750.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	35.4 YR TOTAL

JAMES RANCH UNIT # 29 PREPARED BY: KENT ADAMS

· ...

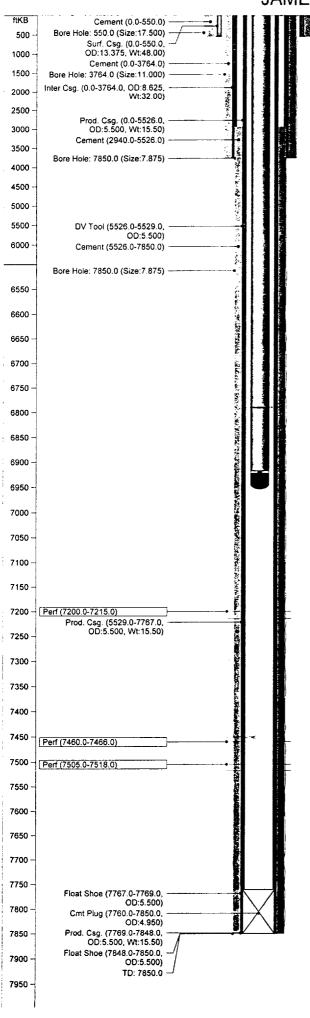
)

DATE : 02/10/00 TIME : 11:23:14 DBS FILE : JRUPA SETUP FILE : CD SEQ NUMBER : 1

ECONOMIC INDICATORS

AS OF DATE: 2/94

	1.22	1.41	DISCOUNTED NET/INVEST.
	2.14	. 2.73	UNDISCOUNTED NET/INVEST.
	6.89	6.20	DISCOUNTED PAYOUT, YRS.
	4.69	8. 4.12	UNDISCOUNTED PAYOUT, YRS
	16.8	19.0	RATE OF RETURN, PCT.
-401.985	-390.622	-432.327	100.
-388.158	-376.030	-417.019	90.
-371.651	-358.691	-398.282	80.
-326,221	-311.493	-344.764	60.
-293.258	-277.783	-304.714	50.
-248.012	-232.302	-248.779	40.
-181.088	-166.762	-165.138	30.
-69.709	-62.351	-26.360	20.
161.603	135.566	248.740	10.
243.310	199.341	339.464	8.
349.836	277.787	451.864	6.
416.400	324.192	518.645	
705.963	504.626	779.311	2.
1039.844	675.899	1026.921	0.
	-	TABLE	-RETURN VS. BO
		ð	PRESENT WORTH PROFILE AND
į	;	;	
MS	MS	X2	
BONUS	WORTH	WORTH	
A.F.I.T.	A.F.I.T.	B.F.I.T.	



	<i></i>	•							
JAMES RANCI	H UNI	IT #2	9						
API No.		01527		: \$	tatus		- 	ACT	NII
TD.		50.0 f							
					ngine	(C)		KAA)
PBTD		60.0 f					<u> </u>		
Operator		BASS	3	, P	ermit				
	ENT	ERPR	USES				1		
i		PROD)	i					
Well No.		29		S	pud			1/16/9	14
ID Code	C%0	GDLV	/8 N20		R			1/30/9	
	QUAH					etion		2/19/9	
rield	QUAN		אטוא		וקוווט	CHOIL		2/19/5	14
		SE							
Author		RAS			ast A				
Date Updated	1	1/19/9	8	A	band	oned	-		
Comments									
Location									
<u> </u>			20	· T.		Ala al a			
Township		S02	۷۷			titude)
	 -				op Lo	ngitud	e		
Range		E03	30			S Dista			0 ft S
1				To	op E\	V Dista	ance	2310.	0 ft W
Section		36	 3			Latitu		(
Unit Ltr.		K				Longi			
	- A								
State	- 1	lew M		: 151		S Dista		0.0	
County		Edd	dy	81	m ⊨\	N Dista	ince	0.0	π
Elevations									
KB		3326	.7 ft	C	as Fl	na	i	0.0) ft
Grd		3307			ıb He		- i	0.0	
KB-Grd		18.9			10 110	,au			, it
Casing String					,				
ltem	To	p : E	Btm	Jnts	i	ID	Wt	Grd	Thd
(in)	ftK	B) (f	tKB)			İ	:		
13 3/8 in Surf.			550.0	12	1	2.720	48.00	WC-40	ST&C
Csg.	;						. 5.50		2,00
	14-		lic4-	Coo!	<u>.</u>				
Casing String									
Item	То		3tm	Jnts	1	ID	Wt	Grd	Thd
(in)		(B) (f	tKB)			- 1	:		ŀ
8 5/8 in Inter Csg	. (0.0 37	64.0	84		7.921	32.00	WC-50	LTC
Casing String	Dro								
Casing String									·
Item	ΤQ	p E	3tm	Jnts	1	ID	Wt	Grd	Thd
(in)	⊟ (ftK	B) (f	tKB)				i		į.
5 1/2 in Prod.	(0.0 55	26.0	125	-	4.950	45 50	1/ 55	LTC
							15.50	K-55	
1 _	,	1			1	4.550	15.50	K-55	LIC
Csg.		: : 0 : E E						K-55	L 10
Csg. 5 1/2 in DV Tool	5526	6.0 55	29.0			0.000	0.00		<u></u>
Csg. 5 1/2 in DV Tool 5 1/2 in Prod.	5526	6.0 55 9.0 77	29.0					K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg.	5526 5529	9.0 77	29.0 67.0			0.000 4.950	0.00		<u></u>
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg.	5526 5529	9.0 77	29.0 67.0			0.000	0.00		<u></u>
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float	5526 5529		29.0 67.0			0.000 4.950	0.00 15.50		<u></u>
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe	5526 5529 7767	9.0 <mark>7</mark> 7 7.0 77	5 <u>29.0</u> 767.0 769.0	54		0.000 4.950 0.000	0.00 15.50 0.00	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod.	5526 5529 7767	9.0 77	5 <u>29.0</u> 767.0 769.0			0.000 4.950	0.00 15.50		L
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg.	5526 5529 7767 7769	9.0 _, 77 7.0 _, 77 9.0 _, 78	629.0 767.0 769.0 848.0	54		0.000 4.950 0.000 4.950	0.00 15.50 0.00 15.50	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Prod.	5526 5529 7767 7769	9.0 <mark>7</mark> 7 7.0 77	629.0 767.0 769.0 848.0	54		0.000 4.950 0.000	0.00 15.50 0.00	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float	5526 5529 7767 7769 7848	9.0 _, 77 7.0 _, 77 9.0 _, 78	629.0 767.0 769.0 848.0	54		0.000 4.950 0.000 4.950	0.00 15.50 0.00 15.50	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float	5526 5529 7767 7769 7848	9.0 _, 77 7.0 _, 77 9.0 _, 78	629.0 767.0 769.0 848.0	54		0.000 4.950 0.000 4.950	0.00 15.50 0.00 15.50	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe Casing Cemen	7767 7769 7848	9.0 77 7.0 77 9.0 78 8.0 78	767.0 769.0 769.0 769.0	54		0.000 4.950 0.000 4.950	0.00 15.50 0.00 15.50 0.00	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float	7767 7769 7848	9.0 77 7.0 77 9.0 78 8.0 78	769.0 769.0 769.0 769.0 769.0	54 2	unt	0.000 4.950 0.000 4.950	0.00 15.50 0.00 15.50 0.00	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe Casing Cemen Casing String	7767 7769 7848	9.0 77 7.0 77 9.0 78 8.0 78	767.0 769.0 848.0 p p	54	unt	0.000 4.950 0.000 4.950	0.00 15.50 0.00 15.50 0.00	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe Casing Cemen Casing String	7767 7769 7848 1t	9.0 77 7.0 77 9.0 78 8.0 78	767.0 769.0 848.0 p B)	54 2 Amo	unt	0.000 4.950 0.000 4.950	0.00 15.50 0.00 15.50 0.00	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Prod. Csg. Csg. Csg. Csg. Csg. Shoe Casing Cemen Casing String Surface Casing Intermediate Casi	7767 7769 7848 1t	9.0 77 7.0 77 9.0 78 8.0 78 To (ftK	767.0 769.0 769.0 848.0 850.0 p B)	54 2 Amo	unt) 545	0.000 4.950 0.000 4.950 0.000	0.00 15.50 0.00 15.50 0.00	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casing Production Casing	5526 5529 7767 7769 7848 1t g	9.0 77 7.0 77 9.0 78 8.0 78 To (ftK	767.0 769.0 769.0 848.0 850.0 p B) 0.0 0.0 40.0	54 2 Amo	unt 545 195 455	0.000 4.950 0.000 4.950	0.00 15.50 0.00 15.50 0.00	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Prod. Csg. Csg. Csg. Csg. Csg. Shoe Casing Cemen Casing String Surface Casing Intermediate Casi	5526 5529 7767 7769 7848 1t g	9.0 77 7.0 77 9.0 78 8.0 78 To (ftK	767.0 769.0 769.0 848.0 850.0 p B)	54 2 Amo	unt) 545	0.000 4.950 0.000 4.950 0.000	0.00 15.50 0.00 15.50 0.00	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casin Production Casin	7769 7769 7848 1t g	9.0 77 7.0 77 9.0 78 8.0 78 To (ftK	769.0 769.0 848.0 850.0 p B) 0.0 40.0 26.0	2 Amo (sx	unt 545 195 455	0.000 4.950 0.000 4.950 0.000	0.00 15.50 0.00 15.50 0.00	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casi Production Casin Tubing String	7769 7769 7848 1t g	9.0 77 7.0 77 9.0 78 8.0 78 To (ftK 29 55	769.0 769.0 848.0 850.0 9 0.0 0.0 40.0 26.0 Tubi	54 Amo (sx	unt 545 195 455 450	0.000 4.950 0.000 4.950 0.000	0.00 15.50 0.00 15.50 0.00 Com	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casi Production Casin Tubing String Item	7769 7769 7848 1t g	7.0 77 7.0 77 9.0 78 8.0 78 To (ftK 29 55 nary	769.0 769.0 848.0 850.0 9 9 0.0 0.0 40.0 26.0 Tubil	Amo (sx	unt 545 195 455 450	0.000 4.950 0.000 4.950 0.000	0.00 15.50 0.00 15.50 0.00	K-55	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Csg. 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casi Production Casin Production Casin Tubing String Item (in)	7769 7769 7848 1t g	7.0 77 7.0 77 9.0 78 8.0 78 8.0 78 70 (ftK	767.0 767.0 769.0 848.0 98.0 99.0 90.0 90.0 90.0 90.0 90.0 9	Amo (sx	unt (1) 545 195 455 450 ts	0.000 4.950 0.000 4.950 0.000	0.00 15.50 0.00 15.50 0.00 Com	K-55	LTC LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Frod. Csg. 5 1/2 in Float Shoe Casing Cemen Casing Cemen Casing String Intermediate Casin Production Casin Production Casin Tubing String Item (in) 2 7/8 in Tubing	5526 5529 7767 7769 7848 18 19 19 19 19 19 19 19 19	7.0 77 7.0 77 9.0 78 8.0 78 8.0 78 70 (ftK	p B) 0.0 0.0 1 Tubin Btm (ftKB 6917	54 Amo (sx 1 ng Jn 3) 0 2	unt 545 195 455 450	0.000 4.950 0.000 4.950 0.000 TOC I	0.00 15.50 0.00 15.50 0.00 Com	K-55 K-55 ments Grd	LTC LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe Casing Cemen Casing String Intermediate Casin Production Casin Production Casin Tubing String Item (in) 2 7/8 in Tubing 4 61/64 in TAC	5526 5529 7767 7769 7848 1t g g g g G Frim To (ft K 678	70 77 7.0 77 9.0 78 8.0 78 70 (ftK 29 55 0.0 89.0	p B) 0.0 0.0 17.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18	Amo (sx	unt (1) 545 195 455 450 ts	0.000 4.950 0.000 4.950 0.000 TOC t	0.00 15.50 0.00 15.50 0.00 Com	K-55 K-55 Grd J-55	LTC LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Frod. Csg. 5 1/2 in Float Shoe Casing Cemen Casing Cemen Casing String Intermediate Casin Production Casin Production Casin Tubing String Item (in) 2 7/8 in Tubing	5526 5529 7767 7769 7848 1t g g g g G Frim To (ft K 678	7.0 77 7.0 77 9.0 78 8.0 78 8.0 78 70 (ftK	p B) 0.0 0.0 17.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18	Amo (sx	unt (1) 545 195 455 450 ts	0.000 4.950 0.000 4.950 0.000 TOC I	0.00 15.50 0.00 15.50 0.00 Com	K-55 K-55 Grd J-55	LTC LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casin Production Casin Production Casin Tubing String Item (in) 2 7/8 in Tubing 4 61/64 in TAC 2 7/8 in SN	5526 5529 7767 7769 7848 1t 9 ing 9 9 - Prim To (ftK 678 691	70 77 7.0 77 9.0 78 8.0 78 70 (ftK 29 55 0.0 89.0	29.0 67.0 67.0 69.0 8348.0 0.0 0.0 26.0 Tubin (ftKB 6917 6792 6918	Amo (sx	unt (1) 545 195 455 450 ts	0.000 4.950 0.000 4.950 0.000 TOC t	0.00 15.50 0.00 15.50 0.00 Com by TS	K-55 K-55 Grd J-55	LTC LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe Casing Cemen Casing Cemen Casing String Surface Casing Intermediate Casing Production Casing Tubing String Item (in) 2 7/8 in Tubing 4 61/64 in TAC 2 7/8 in SN 2 7/8 in Perf Sub	5526 5529 7767 7769 7848 1t g g g g - Prim To (ftK 691 691	70 77 7.0 77 9.0 78 8.0 78 70 (ftK 29 55 nary 0 0 0 17.0 18.0	29.0 67.0 69.0 848.0 850.0 0.0 0.0 40.0 26.0 Tubin 8tm (ftKB 6917 6792 6918 6922	Amo (sx	unt (1) 545 195 455 450 ts	0.000 4.950 0.000 4.950 0.000 (in) 2.441 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com by TS Wt 6.50 0.00 0.00	K-55 K-55 ments Grd	LTC LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casing Production Casing Production Casing Tubing String Item (in) 2 7/8 in Tubing 4 61/64 in TAC 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud	5526 5529 7767 7769 7848 1t g g g g - Prim To (ftK 691 691	70 77 7.0 77 9.0 78 8.0 78 8.0 78 70 (ftK 29 55 nary Pp (B) 0.0	29.0 67.0 69.0 848.0 850.0 0.0 0.0 40.0 26.0 Tubin 8tm (ftKB 6917 6792 6918 6922	Amo (sx	unt (1) 545 195 455 450 ts	0.000 4.950 0.000 4.950 0.000 TOC t	0.00 15.50 0.00 15.50 0.00 Com by TS Wt 6.50 0.00 0.00	K-55 K-55 ments Grd	LTC LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casi Production Casin Production Casin Tubing String Item (in) 2 7/8 in Tubing 4 61/64 in TAC 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor	5526 5529 7767 7769 7848 1t g ing g g - Prim To (ftK 678 691 692	70 77 7.0 77 9.0 78 8.0 78 8.0 78 70 (ftK 29 55 nary 0,0 18.0 18.0 22.0	p	Amo (sx	unt 5) 545 195 455 450 ts	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com by TS Wt 6.50 0.00 0.00	K-55 K-55 ments Grd	LTC LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Intermediate Casin Production Casin Production Casin Tubing String Item (in) 2 7/8 in Tubing 4 61/64 in TAC 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e	5526 5529 7767 7769 7848 1t g ing g g - Prim To (ftK 678 691 692	70 77 7.0 77 9.0 78 8.0 78 8.0 78 70 (ftK 29 55 nary 0,0 18.0 18.0 22.0	p	Amo (sx	unt 5) 545 195 455 450 ts	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com by TS Wt 6.50 0.00 0.00	K-55 K-55 Ments Grd	LTC
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casi Production Casin Production Casin Tubing String Item (in) 2 7/8 in Tubing 4 61/64 in TAC 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor	5526 5529 7767 7769 7848 1t g ing g g - Prim To (ftK 678 691 692	70 77 7.0 77 9.0 78 8.0 78 8.0 78 70 (ftK 29 55 nary 0,0 18.0 18.0 22.0	p	Amo (sx	unt 5) 545 195 455 450 ts	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com by TS Wt 6.50 0.00 0.00	K-55 K-55 Iments Grd J-55	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Intermediate Casin Production Casin Production Casin Tubing String Item (in) 2 7/8 in Tubing 4 61/64 in TAC 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e	5526 5529 7767 7769 7848 1t g ing g g - Prim To (ftK 678 691 692	70 77 7.0 77 9.0 78 8.0 78 8.0 78 70 (ftK 29 55 nary 0,0 18.0 18.0 22.0	p	Amo (sx	unt 5) 545 195 455 450 ts	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com by TS Wt 6.50 0.00 0.00	K-55 K-55 Ments Grd	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casin Production Casin Production Casin Production Casin Tubing String Item (in) 2 7/8 in Tubing 4 61/64 in TAC 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e	5526 5529 7767 7769 7848 1t g ing g g - Prim To (ftK 678 691 692	70 77 7.0 77 9.0 78 8.0 78 8.0 78 70 (ftK 29 55 nary 0.0 17.0 18.0 22.0 ., etc	p	Amo (sx	unt 5) 545 195 455 450 ts	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com Dy TS Wt 6.50 0.00 0.00 0.00	K-55 K-55 Iments Grd J-55	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casin Production Casin Production Casin Tubing String Item (in) 2 7/8 in Tubing 4 61/64 in TAC 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e Date 1/30/94 Cri	5526 5529 7767 7769 7848 7848 9 9 9 - Prim To (ftK 691 691 692	70 77 7.0 77 9.0 78 8.0 78 8.0 78 70 (ftK 29 55 nary 0.0 17.0 18.0 22.0 ., etc	p	Amo (sx	unt 5) 545 195 455 450 ts	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com Dy TS Wt 6.50 0.00 0.00 0.00	K-55 K-55 Grd J-55	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casin Production Casin Production Casin Production Casin Production Casin Other (plugs, epublic Parts) Date 1/30/94 Cr Perforations	5526 5529 7767 7769 7848 7848 9 9 9 - Prim To (ftK 691 691 692	70 77 7.0 77 9.0 78 8.0 78 8.0 78 70 (ftK 29 55 nary 0.0 17.0 18.0 22.0 ., etc	p B) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Amo (sx 1 ng Jn 3) 0 2 0 0 0 10 lug B m	unt 5) 545 195 455 450 ts	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com Vt Wt 6.50 0.00 0.00 0.00 0.00	K-55 K-55 Grd J-55 Int (ftKB	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe Casing Cemen Casing Cemen Casing String Intermediate Casin Production Casin Production Casin Production Casin Production Casin Tubing String Item (in) 2 7/8 in Tubing 4 61/64 in TAC 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e	5526 5529 7767 7769 7848 7848 9 9 9 - Prim To (ftK 691 691 692	70 77 7.0 77 9.0 78 8.0 78 8.0 78 70 (ftK 29 55 nary 0.0 17.0 18.0 22.0 ., etc	p	Amo (sx 1 ng Jn 3) 0 2 0 0 0 10 lug B m	unt 5) 545 195 455 450 ts	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com Dy TS Wt 6.50 0.00 0.00 0.00 0.00 0.00 0.00	K-55 K-55 Grd J-55	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casin Production Casin Production Casin Tubing String Item (in) 2 7/8 in Tubing 4 61/64 in TAC 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e) Date 1/30/94 Cr Perforations Date	5526 5529 7767 7769 7848 7848 9 9 9 - Prim To (ftK 691 691 692	70 77 7.0 77 9.0 78 8.0 78 8.0 78 70 (ftK 29 55 nary 0 17.0 18.0 22.0	29.0 67.0 69.0 69.0 69.0 69.0 0.0 0.0 26.0 769.2 6918 6917 6922 6954 1 tel	Amo (sx 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	unt () 545 450 450 cts 20 acks	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com Do 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	K-55 K-55 Grd J-55 Int (ftKB	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casin Production Casin Production Casin Production Casin Production Casin Production Casin Production Casin Other (plugs, epublic Parts) Date 1/30/94 Cr Perforations	5526 5529 7767 7769 7848 7848 9 9 9 - Prim To (ftK 691 691 692	7,0 77 7,0 77 7,0 77 9,0 78 8,0 78 8,0 78 76(ftK 29 55 nary 0 0,0 17,0 18,0 22,0 1, etc	529.0 769.0 769.0 348.0 348.0 0.0 0.0 40.0 26.0 Tubin 6917 67912 6918 6922 6954 Int	Amo (sx 1) .0 2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	unt 545 195 455 450 ts 20	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com Do 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	K-55 K-55 Grd J-55 Int (ftKB	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casin Production Casin Production Casin Tubing String Item (in) 2 7/8 in Tubing 4 61/64 in TAC 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e) Date 1/30/94 Cr Perforations Date	5526 5529 7767 7769 7848 7848 9 9 9 - Prim To (ftK 691 691 692	7,0 77 7,0 77 7,0 77 9,0 78 8,0 78 8,0 78 76(ftK 29 55 nary 0 0,0 17,0 18,0 22,0 1, etc	529.0 769.0 769.0 348.0 348.0 0.0 0.0 40.0 26.0 Tubin 6917 67912 6918 6922 6954 Int	Amo (sx 1) .0 2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	unt 545 195 455 450 ts 20	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com Double 15.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	K-55 K-55 Grd J-55 Int (ftKB	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Intermediate Casing Intermediate Casing Production Casing Production Casing Production Casing Item (in) 2 7/8 in Tubing 4 61/64 in TAC 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e Date 1/30/94 Cr Perforations Date 2/16/94 2/16/94	5526 5529 7767 7769 7848 7848 9 9 9 - Prim To (ftK 691 691 692	7466 750 7466 750	529.0 769.0	Amo (sx 1) .0 2 .0 .0 .0 .0 .0 .0 .0 .7518.0	unt 545 195 455 450 ts 20	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com yy TS Wt 6.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	K-55 K-55 Iments Grd J-55 O Statu 0 0	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casi Production Casin Production Casin Production Casin Production Casin Production Casin Other (plugs, et al., 27/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, et al., 27/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, et al., 27/8 in SN 2 7/8 in Mud Anchor Other (plugs, et al., 27/8 in SN 2 7/8 in Mud Anchor Other (plugs, et al., 27/8 in SN 2 7/8 in Mud Anchor Other (plugs, et al., 27/8 in SN 2 7/8 in Mud Anchor Other (plugs, et al., 27/8 in SN 2 7/8 in Mud Anchor Other (plugs, et al., 27/8 in SN 2 7/8 in Mud Anchor Other (plugs, et al., 27/8 in SN 2 7/8 in Mud Anchor	5526 5529 7767 7769 7848 1t g ing g g - Prim To (fitk 678 691 692 equip.	7.0 77 7.0 77 7.0 77 9.0 78 8.0 78 8.0 78 70 (ftK 29 55 nary 0 17.0 18.0 22.0 ., etc	29.0 67.0 69.0 348.0 348.0 0.0 0.0 40.0 26.0 Tubin 848.0 6917 6792 6918 6917 6918 6917 100 - 7 100 - 7	Amo (sx 1) .0 2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	unt 545 195 455 450 ts 20	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com yy TS Wt 6.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	K-55 K-55 Grd J-55 Int (ftKB 60.0 - 76	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casi Production Casin Production Casin Production Casin Production Casin Production Casin Other (plugs, et al., 1/30/94 Circle) Perforations Date 2/16/94 2/16/94 5/29/96 Stimulations &	5526	7460 750 770 770 770 770 770 780 780 780 780 78	529.0 769.0	Amo (sx 1) .0 2 .0 .0 .0 .0 .0 .0 .7215.0	unt () 545 (455) 450 (ts (20) acks	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com yy TS Wt 6.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	K-55 K-55 Iments Grd (ftKB 60.0 - 7	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing Cemen Casing String Intermediate Casin Production Casin Production Casin Production Casin Production Casin Production Casin Other (plugs, epidemia) 1/30/94 Creforations Date 2/16/94 2/16/94 5/29/96 Stimulations & Date Type	5526	7,0 77 7,0 77 9,0 78 8,0 78 8,0 78 70 (ftK 29 55 nary 0,0 39,0 17,0 18,0 22,0 17,0 18,0 7200 17,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 18,0 17,0 18,0 18,0 18,0 18,0 18,0 18,0 18,0 18	769.0 769.0 769.0 769.0 769.0 769.0 838.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 9	Amo (sx 11 12 13 13 13 14 14 15 14 15 14 15 14 15 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16	unt () 545 (455) 450 (ts (20) acks	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com yy TS Wt 6.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	K-55 K-55 Iments Grd (ftKB 60.0 - 7	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Surface Casing Intermediate Casi Production Casin Production Casin Production Casin Production Casin Production Casin Other (plugs, et al., 1/30/94 Circle) Perforations Date 2/16/94 2/16/94 5/29/96 Stimulations &	5526	7,0 77 7,0 77 9,0 78 8,0 78 8,0 78 70 (ftK 29 55 nary 0,0 39,0 17,0 18,0 22,0 17,0 18,0 7200 17,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 17,0 18,0 18,0 17,0 18,0 18,0 18,0 18,0 18,0 18,0 18,0 18	529.0 769.0	Amo (sx 11 12 13 13 13 14 14 15 14 15 14 15 14 15 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16	unt () 545 (455) 450 (ts 20	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com yy TS Wt 6.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	K-55 K-55 Iments Grd (ftKB 60.0 - 7	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing Cemen Casing String Intermediate Casin Production Casin Production Casin Production Casin Production Casin Production Casin Other (plugs, 6) Date 1/30/94 Cr Perforations Date 2/16/94 2/16/94 5/29/96 Stimulations & Date Type 2/17/94 Sand Frace	5526 5529 7767 7769	7460 7460 7460 776 770 770 770 770 770 770 770 770 7	p B) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Amo (sx 1) .0 2 .0 .0 .0 .0 .0 .0 .0 .7215.0 .0 .7215.0	unt () 545 (455) 450 (ts 20	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com yy TS Wt 6.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	K-55 K-55 Iments Grd (ftKB 60.0 - 7	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Intermediate Casin Production Casin Production Casin Production Casin Production Casin Production Casin Other (plugs, epidemiology) 1 in Mud Anchor Other (plugs, epidemiology) Date 1/30/94 C/16/94 2/16/94 5/29/96 Stimulations & Date Type	5526 5529 7767 7769	7460 7460 7460 776 770 770 770 770 770 770 770 770 7	769.0 769.0 769.0 769.0 769.0 769.0 838.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 9	Amo (sx 1) .0 2 .0 .0 .0 .0 .0 .0 .0 .7215.0 .0 .7215.0	unt () 545 (455) 450 (ts 20	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com yy TS Wt 6.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	K-55 K-55 Iments Grd (ftKB 60.0 - 7	LTC LTC Thd 8rd
Csg. 5 1/2 in DV Tool 5 1/2 in Prod. Csg. 5 1/2 in Float Shoe 5 1/2 in Float Shoe 5 1/2 in Float Shoe Casing Cemen Casing String Intermediate Casin Production Casin Production Casin Production Casin Production Casin Production Casin Other (plugs, 6) Date 1/30/94 Cr Perforations Date 2/16/94 2/16/94 5/29/96 Stimulations & Date Type 2/17/94 Sand Frace	5526 5529 7767 7769	7460 7460 7460 776 770 770 770 770 770 770 770 770 7	p B) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Amo (sx 1) .0 2 .0 .0 .0 .0 .0 .0 .0 .7215.0 .0 .7215.0	unt () 545 (455) 450 (ts 20	0.000 4.950 0.000 4.950 0.000 0.000 0.000 0.000 0.000	0.00 15.50 0.00 15.50 0.00 Com yy TS Wt 6.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	K-55 K-55 Iments Grd (ftKB 60.0 - 7	LTC LTC Thd 8rd

JAMES RANCH UNIT NO. 29 WELL HISTORY

WELL NAME:

James Ranch Unit No. 29

FIELD NAME:

Quahada Ridge (Delaware) S.E.

LOCATION:

2310' FWL & 1980' FSL, Sec 36, T22S, R30E, Ut K

Eddy County, New Mexico

ELEV:

3307.8' GL, 3326.7' KB

SPUD DATE:

1/16/94

COMP DATE:

2/20/94

ORIG TD:

7850'

ORIG PBTD:

7760'

CSG:

13-3/8" 48# WC-40 ST&C CSA 550' w/545 sx, cmt circ, 17-1/2" hole 0-550'. 35/0 40% WC-40 514C CSA 550 W/545 sx, cmt circ, 17-1/2" hole 0-550'.

8-5/8" 32# WC-50 LT&C CSA 3764' w/1195 sx, cmt circ, 11" hole 550-3764'.

5-1/2" 15.5# K-55 LT&C CSA 7850', cmtd 1st stage w/450 sx, circ 48 sx off DV tool @ 5526', cmtd 2nd stage w/455 sx, TOC 2940' (TS), 7-7/8" hole 3764-7850'.

TBG:

2-7/8" EUE 8RD 6.5# J-55

DST:

None

CORES & LOGS:

IDFL/GR/C, ZDL/CN/GR/C

INITIAL COMPLETION

1/16/94-2/20/94

TD 7850'. Tag PBTD @ 7760'. Spot 500 gals 7-1/2% HCL + additives

from 7020-7520'. Run GR-CCL 7752-5700'.

Perf 7505-7518' & 7460-66', 2 SPF. Spot 2000 gals 7-1/2% HCL acid. 2/16/94 Drop 70 1.3 SG ball sealers @ 2 balls every 1.4 bbls acid. Frac

w/39,600 gals 35# X-linked fluid + additives w/153,340# 20/40 Ottawa sd & 50,000# 20/40 curable resin-coated sd. Install prod equip. Put

on prod 4/15/94.

IP: 6/15/94 24 hr P 58 BO, 117 BW, & 91 MCF.

WORKOVERS

ROD PUMP FAILURE. 7/28/94

9/6/94 ROD PUMP FAILURE.

ROD PUMP FAILURE. 10/31/94

11/23/94 ROD PUMP FAILURE.

12/6/94 RODS BUCKING - PARTED PUMP.

12/28/94 ROD PART.

JAMES RANCH UNIT #29 WELL HISTORY

1/3/95 LONGSTROKE PUMP.

3/13/95 ROD FAILURE.

3/27-29/95 Replace Lufkin 640 pmpg unit with Bethlehem 320 pmpg unit.

5/10/95 ROD PUMP FAILURE.

Install Nabla pump-off controller. 6/28/95

ADD DELAWARE PAY 5/28/96 to 6/8/96

Tag PBTD @ 7760'. Set CIBP @ 7430' w/10' cmt on top. (Note: Found large paraffin plug @ 200'.)

Perf 7200-15', 2 SPF. Spot 200 gals 15% HCL acid + additives across 5/29/96 perfs. BD perfs @ 2925 psi & pump away acid. Acidize w/1000 gals 7-1/2% HCL acid + additives & drop 40 1.3 SG ball sealers evenly spaced in acid. Frac w/19,100 gals Dowell Guar-based 30# XL w/borate & 104,000# 20/40 Brady sd. Flow back. Swab well. Tag sd fill @ 7175'. Bail sd to CIBP @ 7430'. Run prod equip. Put well on prod. Test: 6/9/96 24 hrs P 20 BO, 92 BW, 17 MCF.

7/10/96 to 7/12/96 DRILL OUT CIBP & COMMINGLE

POH w/BHA. Tag sand @ 7293'. Bailed sand from 7293' to CIBP @ 7430'. RIH & mill on CIBP, did not move. POH & RIH w/ power swivel. Rotate & drill on CIBP, no progress. Change out BHA and rotate & drill on CIBP. Push CIBP to PBTD 7760', POH & recovered CIBP in shoe. Place well on Prod.

Test: 10 day average: 48 BO + 73 BW +44 MCF.

1/24/00 RAS

Submit to Appropriate District Office State fense — 4 copies Fee Lense — 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-09

Di ICT I P.O. nex 1000, Unbbe, NM 80210

OIL CONSERVATION DIVISION

P.O. Box 2080

Santa Fc. New Mexico 87504-2008

DISTRICT II
P.O. Drawer DD. Artenia, NN 80210

DISTRICT III
1000 Rio Brosco Rd., Astro, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	DASS ENTER	PRISES	Lease	JAMES RANC	H UNIT	Mell No.
Unit Letter	Section	Township	Range			County
K	36	22 SOUTH		30 EAST	NMPM	EDDY
Actual Footage Loc		UTH tine and	2310			the WEST line
Ground Level Elev			Pool		feet from	Dedicated Acreage:
3306.81	DELAN	ARE	UND.	QUAHADA RIDI	6E. SE	40 Acres
L. Outline the si	erouge dedicated to	the subject well by colored	pencil or hac	hure marks on the	plat below	
2, If more than	one lesse is dedic	ated to the well, outline eac	h and identif	y the ownership th	ereof (both	as to working interest and royalty).
unitization, f	one lease of differ orce-pooling, etc.?				I all owners	been consolidated by communitization.
Yes	☐ No	If answer is "yes" type				
If answer is "no this-form necess		nd tract descriptions which	have actually	r been oonsoiidated	d. (Use revo	erne side of
No-allowable w	ill be assigned to					nitization, unitization, forced-pooling,
otherwise) or d	DDIST-TURE F 120	rd unit. eliminating such	merest, Das	occu approved by	CIG DIAISI	OPERATOR CERTIFICATION
	į			1		I hereby cartify the the information
	i					contained herein is true and complete is the
	i			1		best of my knowledge and bettef.
	i			İ		Signature / /
	į			•		William R. Dannel
	1			1		Frinted Name W.R. Dannels
	+			+		Position
	ţ			1		Div. Drilling Specialist
	ļ			İ		Company Bass Enterprises Prod. Co.
	•					Date
	!			ł t		9-24-93
1	1			1		SURVEYOR CERTIFICATION
				<u> </u>		
	i			1		I hereby certify that the well location shown on this plat was plotted from field notes of
	i			İ		satual surveys made by me or under my supervisor, and that the same to true and
						correct to the best of my knowledge and
	2310′					bellef.
	1			i		Date Surveyed
1	1			1		SEPTEMBER 09, 1993
	+					Professional Surveys
	·	980,		1		GARY L. JOANS
	1	36		1		JEW MEKC
	1			1		
	1			i		13 \ all = 14 + 177) Notest
\\\-	Í			İ		Cerufice of the Town Wash 1976
	i		• • • • • • • • • • • • • • • • • • •	<u> </u>		Ceruffice of the Manual State of the Manual St
0 330 660	900 1320 1650	1980 2710 2640 2	000 1500	1000 500		93-11-79

water

Submit to Appropriate District Office State Lease — 6 copies For Lease — 5 copies DISTRICT I

Energy, Minerals and Natural Resources Department

OH CONCEDE ATTON DIVISION WELL APINO.

Form (C-105
Revise	4 1-1-25

O. Box 1980, Hobbs	L NM 88240		D 0 0-	- 2000		30-0	015-2773!	5	
		Canen	P.O. Bo	ix 2000 ixico 87504-2	2088	S. Indic	ata Type of La	246	
DD, Are	sis, NM 88210	عسد .	Le' LIEM WIE	3/JU4-2	~00		••	STATE X	Per (
						6. State	Oil & Gas La	ses No.	
Rig Brazos Rd.	Azzec, NM 87410					E-52	229		
	COMPLETION	OR RECOMP	LETION RE	PORT AND L	.CG	9////			
OIL WELL	GAS WELL	L DRY	OTHER_			7. Less	Name or Uni	t Agreement N	iame
Type of Completion NEW WORK WELL M OVER	· — —	THUS	DETF RESVR O	mex		JAME	S RANCH	UNIT	
lame of Operator					<u>-</u>	8. ₩eil 29	No.		
	RISES PRODU	CTION CO.					same or Wildo		
Address of Opension						1			DELAWARI
O BOX 2760	O; MIDLAND,	TX 79/02-1	2760			31.2	2011121		
Section :	K:23: 36 11. Date T.D. React	Township 2		Ranga 30E		NMPM	EDDY		Country
-16-94	1-29-94	2-20)-94		33091	GR			
otai Depta	16. Ping Bac	± T.D.	17. If Municle	Compi. How	18. Imerv		Tools	Cable Too	alc
350'	7750'		MARY 200	SINGLE	Dailed	10'-	7850'		
oducing interval(s)), of this completion	- Top, Bottom, Nat	D0				20. Was I	Directional Sur	vey Made
<u>60'-7518'</u>	(46 HCLES)	DELAWARE	·				NC		
pe Electric and Ot	-	· ·-		_		<u>~</u> ₩1	us Weil Cored		
-CNT /T DM	~~ ~~~ /~~~								
<u></u>	<u>GR-DIL/SFL</u>	 			·	<u> </u>	<u> </u>	NO	
	GR4011/321	CASING 1	RECORD	(Report all st	rings set i	n weil)		NO	
-	WEIGHT LE		RECORD	(Report all st			G RECORD		OUNT PULL
CASING SIZE	! WEIGHT LE		TH SET	HOLE SIZ 17 1/2"	E (EMENTIN SX CLAS	G RECORD		
CASING SIZE 3/8" 5/8"	WEIGHT LE 48 ± 3 <u>0</u> =	3/FT. DEI	7TH SET 0' 4'	HOLE SIZ 17 1/2" 11"	E (EMENTIN SX CLAS	G RECORD	AMO	IE
CASING SIZE 3/8" 5/8"	! WEIGHT LE	3/FT. DEI 35 376 795	PTH SET 0' a'	HOLE SIZ 17 1/2" 12" 7 7/9"	E (EMENTIN SX CLAS SX CLAS	G RECORD SS "G" SS "G" SS "G"	AMC NCN	E
CASING SIZE 3/8" 5/8"	WEIGHT LE 48 = 32 = 13 = 3 =	3/FT. DEI	PTH SET 0' a'	HOLE SIZ 17 1/2" 12" 7 7/9"	E (EMENTIN SX CLAS SX CLAS	G RECORD	AMC NCN NCN	E
CASING SIZE 3/8" 5/8" 1/0"	WEIGHT LE 48 ± 3 <u>0</u> =	3/FT. DEI 55 274 785 785	PIH SET	HOLE SIZ 17 1/2" 12" 7 7/9"	54 54 110 90	EMENTIN ISX CLAS ISX CLAS ISX CLAS ISX CLAS	G RECORD SS "G" SS "G" SS "G" SS "G"	AMC NON NON NON	E
CASING SIZE 1/8" 5/8" 1/0" NOME	WEIGHT LE 48 ± 30 ± 15 5 ± 	B/FT. DEI 55 276 795 1077 =	PIH SET O' a' Final ORD	HOLE SIZ 17 1/2" 12" 7 1/9"	E 6	CEMENTIN ISX CLAS ISX	G RECORD SS "C" SS "C" SS "E" ' TS TUBING R	AMC NON NON NON NON RECORD	IE IF
CASING SIZE 3/8" 5/8" 1/0"	WEIGHT LE 48 = 32 = 13 = 3 =	3/FT. DEI 55 274 785 785	PIH SET	HOLE SIZ 17 1/2" 12" 7 1/9"	E 6	EMENTIN SX CLAS SX	G RECORD SS "G" SS "G" SS "G" TUBING R	AMC NGN NGN NGN NGN NGN NGN	IE IF PACKER SE
CASING SIZE 3/8" 5/8" 1/0" NOME	WEIGHT LE 48 ± 30 ± 15 5 ± 	B/FT. DEI 55 276 795 1077 =	PIH SET O' a' Final ORD	HOLE SIZ 17 1/2" 12" 7 1/9"	E 6	CEMENTIN ISX CLAS ISX	G RECORD SS "C" SS "C" SS "E" ' TS TUBING R	AMC NGN NGN NGN NGN NGN NGN	IE IF
CASING SIZE 1/8" 5/8" 1/0" NOME SIZE	WEIGHT LE 48 = 22 = 1	BJFT. DEI 35 376 785 2072 5 DIVID 6 BOTTOM	PIH SET O' a' Final ORD	HOLE SIZ 17 1/2" 12" 7 7/9" MENT: SCR	E 54 1110 20 12 22 22 22 23 24 25 25 25 25 25 25 25	EMENTIN ESX CLAS ESX	G RECORD SS "G" SS "G" TUBING R DEP	AMC NON NON NON RECORD TH SET	PACKER SE
CASING SIZE 3/8" 5/8" 1/0" NOME SIZE i trioration reco	WEIGHT LE 48 ± 30 ± 10 = 5 ± TOP	B/FT. DEI 55 276 795 795 NOTE: 100 BOTTOM 100 and number)	PTH SET O' L' FORD SACKS CEN	HOLE SIZ. 17 1/2" 12" 7 7/9" WENT: SCR	E 54 1110 20 12 22 22 22 23 24 25 25 25 25 25 25 25	EMENTIN SX CLAS SX	G RECORD SS "G" SS "G" SS "G" TUBING R DEP 1 7388	AMC NON NON NON RECORD TH SET	PACKER SE
CASING SIZE 1/8" 5/9" 1/0" NONE SIZE I I I I I I I I I I I I I	WEIGHT LE 48 = 1 22 = 1 22 = 1 12	B/FT. DEI 55 276 795 795 NOTE: 100 BOTTOM 100 and number)	PTH SET O' L' FORD SACKS CEN	HOLE SIZ. 17 1/2" 12" 7 7/9" WENT: SCR	E 64 119 20 20 20 20 20 20 20 2	EMENTIN ESX CLAS ESX CLA	G RECORD SS "G" SS "G" SS "G" TUBING R DEP 1 7388 URE CEM	AMC NON NON NON RECORD TH SET	PACKER SE
CASING SIZE 3/8" 5/8" 1/0" NONE SIZE I Province of the size	WEIGHT LE 48 = 20 = 1	B/FT. DEI 55 276 795 795 NOTE: 100 BOTTOM 100 and number)	PTH SET O' L' FORD SACKS CEN	HOLE SIZ. 17 1/2" 12" 7 7/9" WENT: SCR	E 64 54 119 96 96 96 96 96 96 9	EMENTIN ESX CLAS ESX CLA	G RECORD SS "C" SS "C" SS "C" TUBING R DEP 1 7388 URE CEM HOUNT AND GALS 7	AMC NON NON NON NON NON ECORD TH SET	PACKER SE T 388 ' EEZE ETC RIAL USED L ACID
CASING SIZE 3/8" 5/8" 1/0" NONE SIZE I Province of the size	WEIGHT LE 48 = 20 = 1	B/FT. DEI 55 276 795 795 NOTE: 100 BOTTOM 100 and number)	PTH SET O' 4' FOAT ORD SACKS CEN	HOLE SIZ. 17 1/2" 12" 7 7/9" MENT: SCR 1 27. A DEPT. 746	E 64 54 119 96 96 96 96 96 96 9	EMENTIN ESX CLAS ESX CLAS ESX CLAS C. 1946 S. SIZE C. 79" T. FRACT AN 1 2000 1 W/T0	G RECORD SS "C" SS "C" SS "C" TUBING R DEP 1 7388 URE CEM HOUNT AND GALS 7	AMC NON NON NON NON NON NON NON NON NON NO	PACKER SE TIBS! EEZE ETC RIAL USED L ACID LL SEALE
CASING SIZE 1/8" 5/9" 1/0" NOME SIZE 1 Conformion recorded Gun P: 60'-7466' 05'-7518'	WEIGHT LE 48 ± 30 ± 15 5 ± TOP	BJFT. DEI	PIH SET O' O' ECA! FORD SACKS CEN SED	HOLE SIZ 17 1/2" 12" 7 7/9" MENT: SCR 1 27. A DEPT 746	E () 54 1119 20 12 20 12 20 12 20 12 20 20	EMENTIN ESX CLAS ESX CLAS ESX CLAS C. 1946 I. SIZE T. FRACT AN 1 2000 1 W/TO 1 FFAC	G RECORD SS "C" SS "C" SS "C" TUBING R 1 DEP 1 7388 1 URE CEM 40UNT AND GALS 7 7 /6" 1. W/39,80 3,000 =3	AMC NON NON NON NON NON HECORD TH SET B' ENT. SQUI KIND MATE 1/2% HC 3 SG BA 00 GALS 20/40 SA	PACKER SE TIBB! EFZE ETC. RIAL USED LACID LL SEALE VIKING #
CASING SIZE 3/8" 5/9" 1/0" MONE SIZE 1 Afformion reco CSG GUN PI 50'-7466' 05'-7518'	WEIGHT LE 48 ± 30 ± 15 5 ± TOP	BJFT. DEI	PIH SET O' O' ECA! FORD SACKS CEN SED	HOLE SIZ. 17 1/2" 12" 7 7/9" MENT: SCR 1 27. A DEPT. 746	E () 54 1119 20 12 20 12 20 12 20 12 20 20	EMENTIN ESX CLAS ESX CLAS ESX CLAS C. 1946 I. SIZE T. FRACT AN 1 2000 1 W/TO 1 FFAC	G RECORD SS "C" SS "C" SS "G" TUBING R DEP T388 URE CEM HOUNT AND GALS 7 T/8" 1. W/39,60	AMC NON NON NON NON NON NON NON NON NON NO	PACKER SE TIBB! EFZE ETC. RIAL USED LACID LL SEALE VIKING #
CASING SIZE 3/8" 5/9" 1/0" NOME SIZE 1 Information reco CSG GUN P: 50'-7466' 05'-7518'	TOP TOP xt (interval size ERF 2 JSPF (13 HOLES) (33 HOLES)	BJFT. DEI 374 374 374 374 376 377 EDWING	PIH SET O' L' FORD SACKS CEN PRODUC (Flowing, gas lift)	HOLE SIZ. 17 1/2" 12" 7 7/9" MENT: SCR 27. A DEPT 746 CTION L, pumping - Size a	E () 54 1119 20 20 20 20 20 20 20 2	EMENTIN EX CLAS EX	G RECORD SS "C" SS "C" SS "C" SS "C" TUBING R 1 DEP 1 7388 URE CEM 40UNT AND GALS 7 7/8" 1. W/39,60 3,000 =3	AMC NON NON NON NON NON NON NON NON NON NO	PACKER SE T388' EEZE ETC RIAL USED L ACID L SEALE VINING # ND P Shuma)
CASING SIZE 3/8" 5/9" 1/0" NOME SIZE 1 Efforation reco CSG GUN 9: 60'-7466' 05'-7518' FE Production GSG-2	WEIGHT LE 48 = 1 20 = 1 75 5 = 1 TOP 1 TOP 2	BJFT. DEI 35 276 276 276 276 207 DEI	PRODUC	HOLE SIZ. 17 1/2" 12" 7 7/9" MENT: SCR DEPT. 746 CTION 1, pumping - Size a.	E () 54 1119 20 20 20 20 20 20 20 2	EMENTIN SX CLAS SX	G RECORD SS "C"	AMC NON NON NON NON NON NON NON NON NON NO	PACKER SE TIBBE' EEVELETC RIAL USED LACID LL SEALE VINING # ND ND NS NO Gas - Oil Rano
CASING SIZE 1/8" 5/9" 1/0" NONE SIZE informon reco CSG GUN P: 50'-7466' 05'-7518' TER 12-44	WEIGHT LE 48 = 1 20 = 1 75 5 = 1 TOP 1 TOP 1 TOP 24 (interval size ERF 2 JSPF (13 HOLES) (33 HOLES)	B/FT. DEI 35 276 276 795 1000 = 1000 LINER RECCE BOTTOM BOTTOM 130° PHA:	PRODUC PRODUC Floring, gas lift Proa'n For Test Periox	HOLE SIZ. 17 1/2" 12" 7 7/9" WENT: SCR DEPT. 746 CTION L. pumping - Size a. Oil - BbL 1 148	E 64 54 119 96 96 96 96 96 96 9	EMENTIN ESX CLAS ESX CLAS ESX CLAS ESX CLAS ESX CLAS T. COULT T. FRACT 2000 W/TO FPAC W/TO MCF	G RECORD SS "C" SS "G" SS "G" TUBING R 1 7388 1 0EP 1 7388 URE CEM 40UNT AND GALS 7 7/8" 1. W/39,60 3.000 =3 Well S Water - 3bit 138	AMC NON NON NON NON NON NON NON NON NON NO	PACKER SE TIBBE! EEZE ETC. RIAL USED LACID LL SEALE! VIKING # ND P Skin-in) Gas - Oil Ramo
CASING SIZE 1/8" 5/8" 1/0" NONE SIZE I Antoranon reco CSG GUN P: 50'-7466' 05'-7518' TER 1 Tex 1 Ubug Press.	WEIGHT LE 48 = 1 20 = 1 15 5 = 1 TOP 1 TOP 1 TOP 2 (Interval size ERF 2 JSPF (13 HOLES) (33 HOLES) Hours Tested 24 Chang Pressure	BJFT. DEI 35 276 276 276 276 207 DEI	PRODUCE Production For Coil - Bbi.	HOLE SIZ. 17 1/2" 12" 7 7/9" WENT: SCR DEPT. 746 CTION L. presspring - Size a. Gas -	E 64 54 1119 96 96 96 96 96 96	EMENTIN ESX CLAS ESX TLAS ESX TLAS ESX TLAS T. FRACT AM 1 2000 1 W/TO 1 FPAC W/TO MCF 5	G RECORD SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" TUBING R 1 DEP 1 7388 1 DEP 1 7388 2 Water - Bbt 138	AMC NON NON NON NON NON NON NON NON NON NO	PACKER SE TIBBE! EEZE ETC. RIAL USED LACID LL SEALE! VIKING # ND P Skin-in) Gas - Oil Ramo
CASING SIZE 1/8" 5/8" 1/0" NONE SIZE 1 Afformation reco CSG GUN 9: 50'-7466' 05'-7518' Test 1-2-22 Johng Press	WEIGHT LE 48 = 70 = 70 = TOP TOP Ad (interval, size ERF 2 JSPF (13 HOLES) (33 HOLES) Hours Tessed 74 Chang Pressure PACKER	BJFT. DEI 35 376 785 1000 = LINER RECTOM BOTTOM 4 130° PHA: PROJUCTION Method (FLOWING Choice Size 15/64 Calcurated 24 Hour Rate	PRODUC PRODUC Floring, gas lift Proa'n For Test Periox	HOLE SIZ 17 1/2" 12" 7 7/9" WENT: SCR DEPT 746 CTION L. pumping - Size a. Oil - BbL 1 148	E 64 54 1119 96 96 96 96 96 96	EMENTIN EX CLAS EX	G RECORD SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" TUBING R 1 7388 1 0EP 1 7388 1 0EP 1 7388 2 000 = 3 Well S Well S Well S Well S Oil G	AMC NON NON NON NON NON NON NON NON NON NO	PACKER SE TIBBE! EEZE ETC. RIAL USED LACID LL SEALE! VIKING # ND P Skin-in) Gas - Oil Ramo
CASING SIZE 3/8" 5/8" 1/0" NOME SIZE Carforation reco CSG GUN 9: 60'-7466' 05'-7518' Test 12-02 ubing Press.	TOP ARE 15,5%	BJFT. DEI 35 376 785 1000 = LINER RECTOM BOTTOM 4 130° PHA: PROJUCTION Method (FLOWING Choice Size 15/64 Calcurated 24 Hour Rate	PRODUCE Production For Coil - Bbi.	HOLE SIZ. 17 1/2" 12" 7 7/9" WENT: SCR DEPT. 746 CTION L. presspring - Size a. Gas -	E 64 54 1119 96 96 96 96 96 96	EMENTIN EX CLAS EX	G RECORD SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" TUBING R 1 DEP 1 7388 1 DEP 1 7388 2 Water - Bbt 138	AMC NON NON NON NON NON NON NON NON NON NO	PACKER SE TIBBE! EEZE ETC. RIAL USED LACID LL SEALE! VIKING # ND P Skin-in) Gas - Oil Ramo
CASING SIZE 1/8" 5/9" 1/0" NOME SIZE 1 CONTROLLING TEST PRODUCTION 101-02 TEST CONTROLLING 101-02 TEST CONTROLLING 101-02 TEST CONTROLLING 101-02 TEST CONTROLLING 101-02 TEST CONTROLLING 101-02 TEST CONTROLLING 101-02 TEST CONTROLLING 101-02 TEST CONTROLLING 101-03 TEST CONTROL	TOP ARE 15,5%	BJFT. DEI 35 376 785 1000 = LINER RECTOM BOTTOM 4 130° PHA: PROJUCTION Method (FLOWING Choice Size 15/64 Calcurated 24 Hour Rate	PRODUCE Production For Coil - Bbi.	HOLE SIZ. 17 1/2" 12" 7 7/9" WENT: SCR DEPT. 746 CTION L. presspring - Size a. Gas -	E 64 54 1119 96 96 96 96 96 96	EMENTIN EX CLAS EX	G RECORD SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" TUBING R 1 7388 1 0EP 1 7388 1 0EP 1 7388 2 000 = 3 Well S Well S Well S Well S Oil G	AMC NON NON NON NON NON NON NON NON NON NO	PACKER SE TIBBE! EEZE ETC. RIAL USED LACID LL SEALE! VIKING # ND P Skin-in) Gas - Oil Ramo
CASING SIZE 3/8" 5/8" 1/0" NONE SIZE 1 Perforation reco CSG GUN 9: 60'-7466' 05'-7518' Test 12-44 13-44	WEIGHT LE 48 = 20 = 15 5 =	BJFT. DEI 35 376 785 1000 = LINER RECTOM BOTTOM 4 130° PHA: PROJUCTION Method (FLOWING Choice Size 15/64 Calcurated 24 Hour Rate	PRODUCE Production For Coil - Bbi.	HOLE SIZ. 17 1/2" 12" 7 7/9" WENT: SCR DEPT. 746 CTION L. presspring - Size a. Gas -	E 64 54 1119 96 96 96 96 96 96	EMENTIN EX CLAS EX	G RECORD SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" SS "C" TUBING R 1 7388 1 0EP 1 7388 1 0EP 1 7388 2 000 = 3 Well S Well S Well S Well S Oil G	AMC NON NON NON NON NON NON NON NON NON NO	PACKER SE TIBBE! EEZE ETC. RIAL USED LACID LL SEALE! VIKING # ND P Skin-in) Gas - Oil Ramo

UNITED STATES une 1990) DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	CORV. COROLINA
une 1990) DEPARTMENT OF THE INTERIOR	FORM APPROVED
PURE VILOE LAND VANGENESIT	Budget Buresu No. 1004-0135 Expires: March 31, 1993
NUKEAU OF LAND MANAUEMENT	1. Lesse Designation and Serial No.
	-
SUNDRY NOTICES AND REPORTS ON WELLS	LC - 071938 - B
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.	6. If Indian, Allottee of Tribe Name
Use "APPLICATION FOR PERMIT—" for such proposals	
OSE AFFEIGATION FOR FERINITI — Tot such proposals	
SUBMIT IN TRIPLICATE	. If Unit or CA. Agreement Designation
SUBMIT IN TRIPLICATE	James Ranch Unit
. Type of Well	James Ranch Unit
Gil. Gas Well Cther	3. Weil Name and No.
Name of Operator	James Ranch Unit #29
Bass Enterprises Production Co.	9. API Weil No.
Address and Telephone No.	30-015-27735
	10. Field and Pool, or Exploratory Area
Location of Well (Footage, Sec., T., R., M., or Survey Description)	Quahada Ridge (Delaware
No. of Contract Contr	11. County or Parish, State
1980' FSL & 2310' FWL	tt. Comi di tatismi suate
	, , , , , , , , , , , , , , , , , , ,
Section 36, T22S-R30E	Eddy County, New Mexico
CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT	COLOTHER DATA
	7, 011 011/211 07177
TYPE OF SUBMISSION TYPE OF ACTION	•
Notice of Intent	Change of Plans
Recompletion	New Construction
Subsequent Report Plugging Back	Non-Routine Fracturing
Casing Repair	Water Shut-Off
Final Abandonment Notice Altering Casing	Conversion to Injection
XI Gther Add Pay	Dispose Water
	-Next: Report results of multiple completion on Well Completion or Recompletion Report and Log (arm)
Describe Proposed or Completes Operations (Clearly state all pertinent details, and tive pertinent dates, including estimated date of starting an	
give subsurface locations and ineasured and true vertical itepths for all markers and zones pertinent to this work.)*	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
The state of the s	
1 MIRIPH and pull rode and tubing	
II MIRUPU and pull rods and tubing.	
Ž. Set RBP @ 7430'.	
2. Set RBP @ 7430'. 3. Perf Delaware @ 7200-7215'.	
Z. Set RBP @ 7430'.3. Perf Delaware @ 7200-7215'.4. Acidize with 1000 gal 7-1/2% HCl + additives.	
 Set RBP @ 7430'. Perf Delaware @ 7200-7215'. Acidize with 1000 gal 7-1/2% HCl + additives. Frac with 19,100 gal gel and 104,000# 20/40 brady. 	
 Set RBP @ 7430'. Perf Delaware @ 7200-7215'. Acidize with 1000 gal 7-1/2% HCl + additives. Frac with 19,100 gal gel and 104,000# 20/40 brady. Swab and clean up. 	
 Set RBP @ 7430'. Perf Delaware @ 7200-7215'. Acidize with 1000 gal 7-1/2% HCl + additives. Frac with 19,100 gal gel and 104,000# 20/40 brady. 	
 Set RBP @ 7430'. Perf Delaware @ 7200-7215'. Acidize with 1000 gal 7-1/2% HCl + additives. Frac with 19,100 gal gel and 104,000# 20/40 brady. Swab and clean up. RDMOPU. 	
 Set RBP @ 7430'. Perf Delaware @ 7200-7215'. Acidize with 1000 gal 7-1/2% HCl + additives. Frac with 19,100 gal gel and 104,000# 20/40 brady. Swab and clean up. RDMOPU. Place on production for 30 days to test. 	
 Set RBP @ 7430'. Perf Delaware @ 7200-7215'. Acidize with 1000 gal 7-1/2% HCl + additives. Frac with 19,100 gal gel and 104,000# 20/40 brady. Swab and clean up. RDMOPU. Place on production for 30 days to test. 	
 Set RBP @ 7430'. Perf Delaware @ 7200-7215'. Acidize with 1000 gal 7-1/2% HCl + additives. Frac with 19,100 gal gel and 104,000# 20/40 brady. Swab and clean up. RDMOPU. Place on production for 30 days to test. 	
 Set RBP @ 7430'. Perf Delaware @ 7200-7215'. Acidize with 1000 gal 7-1/2% HCl + additives. Frac with 19,100 gal gel and 104,000# 20/40 brady. Swab and clean up. RDMOPU. Place on production for 30 days to test. 	
 Set RBP @ 7430'. Perf Delaware @ 7200-7215'. Acidize with 1000 gal 7-1/2% HCl + additives. Frac with 19,100 gal gel and 104,000# 20/40 brady. Swab and clean up. RDMOPU. Place on production for 30 days to test. 	
 Set RBP @ 7430'. Perf Delaware @ 7200-7215'. Acidize with 1000 gal 7-1/2% HCl + additives. Frac with 19,100 gal gel and 104,000# 20/40 brady. Swab and clean up. RDMOPU. Place on production for 30 days to test. 	
 Set RBP @ 7430'. Perf Delaware @ 7200-7215'. Acidize with 1000 gal 7-1/2% HCl + additives. Frac with 19,100 gal gel and 104,000# 20/40 brady. Swab and clean up. RDMOPU. Place on production for 30 days to test. 	
 Set RBP @ 7430'. Perf Delaware @ 7200-7215'. Acidize with 1000 gal 7-1/2% HCl + additives. Frac with 19,100 gal gel and 104,000# 20/40 brady. Swab and clean up. RDMOPU. Place on production for 30 days to test. 	
 Set RBP @ 7430'. Perf Delaware @ 7200-7215'. Acidize with 1000 gal 7-1/2% HCl + additives. Frac with 19,100 gal gel and 104,000# 20/40 brady. Swab and clean up. RDMOPU. Place on production for 30 days to test. MIRUPU and retrieve RBP and produce both zones, RDMOPU. 	
 Set RBP @ 7430'. Perf Delaware @ 7200-7215'. Acidize with 1000 gal 7-1/2% HCl + additives. Frac with 19,100 gal gel and 104,000# 20/40 brady. Swab and clean up. RDMOPU. Place on production for 30 days to test. MIRUPU and retrieve RBP and produce both zones, RDMOPU. 	
2. Set RBP @ 7430'. 3. Perf Delaware @ 7200-7215'. 4. Acidize with 1000 gal 7-1/2% HCl + additives. 5. Frac with 19,100 gal gel and 104,000# 20/40 brady. 6. Swab and clean up. 7. RDMOPU. 8. Place on production for 30 days to test. 9. MIRUPU and retrieve RBP and produce both zones, RDMOPU.	
2. Set RBP @ 7430'. 3. Perf Delaware @ 7200-7215'. 4. Acidize with 1000 gal 7-1/2% HCl + additives. 5. Frac with 19,100 gal gel and 104,000# 20/40 brady. 6. Swab and clean up. 7. RDMOPU. 8. Place on production for 30 days to test. 9. MIRUPU and retrieve RBP and produce both zones, RDMOPU. 1. MIRUPU and retrieve RBP and produce both zones, RDMOPU. 1. Division Production Supt.	5/10/94
2. Set RBP @ 7430'. 3. Perf Delaware @ 7200-7215'. 4. Acidize with 1000 gal 7-1/2% HCl + additives. 5. Frac with 19,100 gal gel and 104,000# 20/40 brady. 6. Swab and clean up. 7. RDMOPU. 8. Place on production for 30 days to test. 9. MIRUPU and retrieve RBP and produce both zones, RDMOPU.	Date5/10/96
2. Set RBP @ 7430'. 3. Perf Delaware @ 7200-7215'. 4. Acidize with 1000 gal 7-1/2% HCl + additives. 5. Frac with 19,100 gal gel and 104,000# 20/40 brady. 6. Swab and clean up. 7. RDMOPU. 8. Place on production for 30 days to test. 9. MIRUPU and retrieve RBP and produce both zones, RDMOPU. 1. MIRUPU and retrieve RBP and produce both zones, RDMOPU. 1. Division Production Supt.	Date5/10/96
2. Set RBP @ 7430'. 3. Perf Delaware @ 7200-7215'. 4. Acidize with 1000 gal 7-1/2% HCl + additives. 5. Frac with 19,100 gal gel and 104,000# 20/40 brady. 6. Swab and clean up. 7. RDMOPU. 8. Place on production for 30 days to test. 9. MIRUPU and retrieve RBP and produce both zones, RDMOPU. 1 Increby christy that the foregoing is true and correct Signed Title Z. Buen Keith Bucy Title Division Production Supt. Chas space for Federal or State office uses	Ule
2. Set RBP @ 7430'. 3. Perf Delaware @ 7200-7215'. 4. Acidize with 1000 gal 7-1/2% HCl + additives. 5. Frac with 19,100 gal gel and 104,000# 20/40 brady. 6. Swab and clean up. 7. RDMOPU. 8. Place on production for 30 days to test. 9. MIRUPU and retrieve RBP and produce both zones, RDMOPU. 1. RDMOPU. 1. MIRUPU and retrieve RBP and produce both zones, RDMOPU. 1.	Date5/10/96
2. Set RBP @ 7430'. 3. Perf Delaware @ 7200-7215'. 4. Acidize with 1000 gal 7-1/2% HCl + additives. 5. Frac with 19,100 gal gel and 104,000# 20/40 brady. 6. Swab and clean up. 7. RDMOPU. 8. Place on production for 30 days to test. 9. MIRUPU and retrieve RBP and produce both zones, RDMOPU. 1. Norther charter for the foregoing is true and correct signed in the foregoing is true and correct signed in the foregoing is true and correct signed in the foregoing is true and correct for Federal or State office/use) Ar 1 by Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title	Ule

"See Instruction on Reverse Side-

.

Submit 3 Capies		State of Nov	M PAGMICO		Form C-10	は こうしょ
to Appropriate	Ene	Minerals and Natura	al Resources Dep	art:	Revised 1-	1111
District Office		OIL CONSERVA	TION DRAGION		**************************************	
P. O. Box 1980, Hobbs,	NIM 98240	P. O. Box			API NO.	
DISTRICT II	19M 00240	Santa Fe, New Mex		30-015		
	ia, NM 88210-2834		(100 0.004-2000	S. IIRK	ate Type of Lease State	X Fee
DISTRICT III		BEPCO - W	TO PRODUCTION	7 6. State	Oil & Gas Lease No	<u> </u>
1000 Rio Brazos Rd., A	ztec, NM 87410	1.				•
			2 4 1996	E-5229		
(DO NOT LIGH	SUNDRY NOTICES A	<u> </u>				
(DO NOT USE	THIS FORM FOR PROPOSAL DIFFERENT RESERVOIR. (7. Leas	e Name or Unit Agre	ement Name
		OR SUCH PROPOSALS)		James	Ranch Unit	
1. Type of Weil		, Alex		•		•
Oil Well X 2. Name of Operator	Gas Well	. Other	<u>.</u>	8. Well	No	
	prises Production Company			O. YVEN	29	
3. Address of Operator				9. Pool	Name or Wildcat	
	2760 Midland, Texas 79702-278	50		Los Med	danos (Delaware)	
4. Well Location Unit Letter	r K : 2310	Feet From The W	est Une and	1980 Feet Fro	om The South	Line
			•			
Section	36 Township	22S Range		NMPM	Eddy	County
	10. Elevatio	on (Show whether DF, RKB, 3309' GR	RI, GR, etc.)			
11.	Check Appropriate		ure of Notice, Re	eport, or Other	Data	
NOT	CE OF INTENTION T	1		SEQUENT RE		
PERFORM REMEDIAL	WORK PLUG AND	ABANDON REME	DIAL WORK	ALTERI	NG CASING	
TEMPORARILY ABANC	ON CHANGE P	LANS COMM	MENCE DRILLING OP	NS. PLUG A	MNOGNABA DN	VT []
PUL RALTER CASI	ve 🗀	CASIN	IG TEST AND CEMEN	T JOB T		
OTHER:		OTHE	R:	Add Perfs & Frac		X
12. Describe Proposed of	or Completed Operations (Class	ty state all pertinent details.	and give pertinent date	s, including estimate	d date of starting an	y proposed
work) SEE RULE 1		,,	,	•		
a 1 0100 a	7.55					
	7430' and dump bail 10' sand o sing gun loaded with 2 JSPF at		(19 gram HSC XIX PM	IL (0.44" EH) and per	riorate the following i	interval
	7200-15 (15', 30 shots)		•		•	
	with 1000 gals 7-1/2% HCl wit		000 the 20/40 Sends S		1.00	e ^r na r io
-	gals of Dowell Guar-based 30# nd. Drill out CIBP @ 7430' 7/1:		.CCC 168 20/40 614dy 3/	<i>℃</i> :		
Place well or	_			•		
					AUG 28 199	15
_			•			55 5 8 7
•		The state of the s	:	7.沙县	上集集为制。	BIW.
					2007.2	:
Certified P 916 976 216			i .			
			<u> </u>			·
hereby certify that the Infort	mation above is true and complete	•	id bellef.	•		i
SIGNATURE	Janu G. 40	Uber III	LE:	Production Clark	DATE:	8/25/96
7V00 44 57***			1		 TNE NO 7015 683.77	·. 77
TYPE OR PRINT NAME (This < 'ce for State Use)	Tami L. Will	er		relepho	ONE NO. (915) 683-22	·
, # 101 State USB)	ORIGINAL SIGNED	Y BY TIM W. GUM	1			SEP 5
	DISTRICT II SUPE	RVISOR		· -	nate.	, ul i 0 :
APPROVED BY:					DATE:	
CONDITIONS OF APPROVA	AL, IF ANY:	•	:		* * * * * * * * * * * * * * * * * * * *	
				Property of the	· · · · · · · · · · · · · · · · · · ·	

ACCES 1987年8月1日 1987年1月1日 11日 11日本作品的 11日本作品的 11日本作品的 11日本作品的 11日本作品的 11日本作品的 11日本作品的 11日本作品的 11日本作品的 11日本作品的 1

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

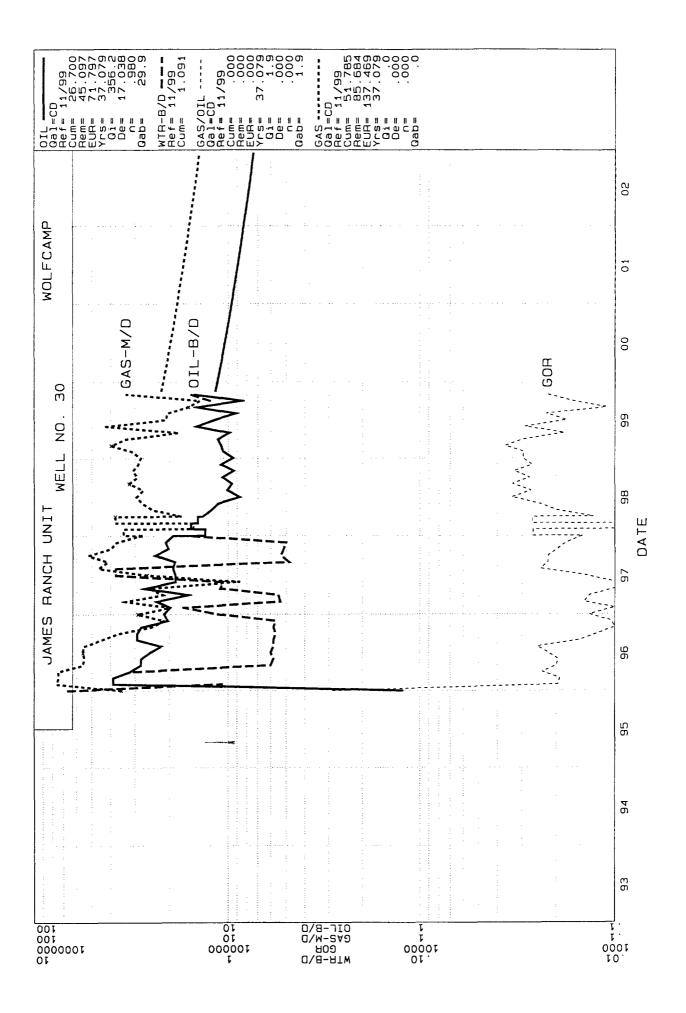
WELL DATA

WELL			JAMES RAN	CH UNIT N	O. 30	· · · · · · · · ·	_ FORMATION		WOLFO	CAMP
LOCATION	1		_ UNIT,	1980	_ FEET FROM	S	_LINE &	2310	FEET FROM	E LIN
SECTION	6TC	OWNSHIP	235	RANGE	31E	, COUNTY		EDDY		, NEW MEXICO
SPUD DATE	10/13	/93	_ COMPLET	ION DATE	12/.	21/95	_ INITIAL PROD	UCTION		12/21/95
PERFORATIO	ONS <u>11</u>	1,209-11,2	223'	· · · · · · · · · · · · · · · · · · ·	772 ·				· · · · · · · · · · · · · · · · · · ·	······································
STIMULATIO	 ON:									
	ACID 20	00 GALS 1	5% HCL + A	ADDITIVES.						
	FRACTURE		34,020 G	ALS YF-1401	D, 172,000# 20	0/40 OTTAW	A SAND, & 30,	327# ECONO	PROP WITH	
			PROPNETT	<u> </u>						
POTENTIAL	12	2/24/95 1	16 BOPD, 47	BWPD, 311	MCFPD.					
	12 of C-105. Attac									
				tch of Comp	leted Well.)					
				tch of Comp						
				tch of Comp	leted Well.)	C CALCUL		SANDS NO	T PERFORATED LY PRODUCTIV	
Attach Copy		ch Copy of		tch of Comp	leted Well.) /OLUMETRI	C CALCUL		SANDS NO	T PERFORATED	
Attach Copy	of C-105. Attac	ch Copy of		tch of Comp	VOLUMETRI SANDS PERFO	C CALCUL		SANDS NO	T PERFORATED	
Area (A) prot	ration unit size, ac	ch Copy of		tch of Comp	VOLUMETRI SANDS PERFO	C CALCUL		SANDS NO	T PERFORATED	
Area (A) proi Porosity (por) Water saturati	ration unit size, aconomic (Sw), %	ch Copy of		40 11.5%	VOLUMETRI SANDS PERFO	C CALCUL		SANDS NO	T PERFORATED	
Area (A) proi Porosity (por) Water saturati	ration unit size, aconomic (Sw), %	ch Copy of		40 11.5%	VOLUMETRI SANDS PERFO	C CALCUL		SANDS NO	T PERFORATED	
Area (A) properties (ration unit size, aconomic (Sw), % Ion (Sw), % Ion (Sw), %	cres		40 11.5% 43%	VOLUMETRI SANDS PERFO	C CALCUL		SANDS NO	T PERFORATED	
Area (A) proposity (por). Water saturation	ration unit size, ac), % ion (Sw), % s (h), ft. (T), Fahrenheit pressure (P), psla	cres		40 11.5% 43% 19:5*	VOLUMETRI SANDS PERFO	C CALCUL		SANDS NO	T PERFORATED	

PERFORMANCE DATA

(If sufficient history exists, a	ittach plot of oil production ra	te v time.)	· · · · · · · · · · · · · · · · · · ·	
CUMULATIVE PRODUCT	ION TO	11/1/99	26,700	BBLS
INITIAL RATE (qi)	_	3	56	
ECONOMIC LIMIT (qi)	_		30	
DECLINE RATE, dy	_	Hyperbolic d =	17.04% n = .98	_
REMAINING OIL (Q) =	_	35,	400	_
ULTIMATE RECOVERABL	E OIL _	62,	100	_
(Attach plat showing prorat	ion unit and participating area.)		
		ECO	NOMIC	
WELL COST \$	825,000 (to the depth	of formation completed)		
-	0	or formation completed)		
RECOMPLETION COST \$ TOTAL COST \$	825,000			
	623,000			10% NET BFIT
VEAD	CROSS OU	DEVENDE	OPERATING COST	DISCOUNTED
YEAR	GROSS OIL	REVENUE		CASH FLOW
ZERO	0	0	<u> </u>	-825,000
1	0	2,300	1,400	900
2	10,300	232,900	31,500	190,100
3	7,500	154,300	25,600	109,800
4	4,600	71,500	19,600	40,100
5	4,000	84,100	20,500	44,400
6	3,800	96,700	21,500	47,600
7	3,300	69,700	19,400	28,800
8	2,900	57,200	18,600	20,100
9	2,500	48,600	17,900	14,400
10	2,300	43,600	17,600	11,100
REMAINDER	20.900	400,300	259,400	37,700

WELL IS NOT COMMERCIAL



)

740 LSE/RIG 760 LSE/ORR	721 OWN/RI	720 LSE/RIC	701 OWN/WI	700 LSE/WI	564 PRI/OIL 569 PRI/GAS	559 ATX	549 STX/OIL 554 STX/GAS	544 OPC/T	;	539	738 x				533		531 PRI/GAS	0.70	520	1 5 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	52.3						517	516 PRI/OIL	430 START	AZP AZK	420 GAS/OIL	410 OIL 415 "	405 START		ITEM	
12.5000	.0000	12.5000	100.0000	100.0000	9100 1300	.17	7.08 7.93	1190.00	•	2.57	3 K.	2.27	2.11	2.59	2.61	1.94	1.8900	18.13	18.18	19.20	20.67	24.94	19.25	14.41	20.74	22.25	18.39	16.8800	12/95	5.13	1.90	356.24 95.00	11/99	;	SCHEDULING RATES	
םם	D	ט	D	U	9100 1300	×	××	×	:	× >	< ×	: ×	×	: ×	×	×	×	×	: ×	: ×	: ×	: >	: ×	: >	: ×	; >	: ×	×		1.00	1.90	××		1	3 RATES	
ميد ميد	40	ф	æ	æ	5/M	عبد	ole alle	W/\$:	S √S	* \ X	S/M	S/M	×/×	\$/M	W/\$	\$/M	\$/B	\$/B	\$/B	5/B	8/8	\$/B	\$/B	\$/B	5/E	8/8	\$/B		В/м	B/M	B/M			100	I N
TO	TO	To	TO	To	To	io	To	TO	į	TO 07	1/2001	1/2000	1/99	1/98	1/97	1/96	1/95	Ö	1/2004	1/2003	1/2002	1/2001	1/2000	1/99	1/98	1/97	1/96	1/95		×	01/2097 AD	05/2014 15.23		1 1 1 1 1 1 1 1 1	SCHEDULE UNTIL	ם ידים ק
LIFE	HIFE	LIFE	LIFE	LIFE	LIFE	RAIT	LIFE	LIFE		T.TER	8 8	8	Å	AD	ΑD	ΑĐ	XX/WW	9844	AD	AD	AD	AD	AD	AD	AD	ΑÛ	Ą	XX/WW		IMU	AD	IMU		1 1 1	UNTIL	ATA
FLAT FLAT	FLAT	FLAT	FLAT	FLAT	PC PC	Оď	PC PC	SCH	ć	ָרָ מַי	, o	PC	РC	PC	DG	PC	рC	ĎĊ	PC	PC	D.	PC.	O.	PC	Dd	D.	PC	PC		H/0.995	LIN	H/0.980 EXP		1 1 1 1 1 1 1	PROCEDURE	
. 00	. 00	. 00	. 00	. 00	. 00	.00	. 00	OPC		. 00	. 00	. 00	. 00	.00	.00	.00	. 00	. 00	.00	. 00	.00	. 00	. 00	. 00	. 00	.00	.00	.00		22.27	TIME	17.04 5.00		1	(E) 1	
																														.398		56.567 71.797		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ULTIMATE	
11/36 11/36	11/36	11/36	11/36	11/36	11/36 11/36	11/36	11/36 11/36	11/36	11/30	11/36	12/00	12/99	12/98	12/97	12/96	12/95	11/36	11/36	12/03	12/02	12/01	12/00	12/99	12/98	12/97	11/36	11/36	11/36		2/16	12/96	4/14 11/36		1 1	LAST	CAL
																														22.27		17.04 5.00		1	EFF. DECL	CULAT
.125		.125	1.000	1.000	910 130	.002	.071	1190.000	4.070	2.580	2.600	2.270	2.110	2.590	2.610	1.940	1.890	18.130	18.180	19.200	20.670	24.940	19.250	14.430	20.740	22.260		16.880		<i>υ</i> 1		356. 95.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	INIT. RATE	ED DAT
. 125		.125	1.000	1.000	18.130 2.570	.002	.071	1190.000	2.570	2.580	2.600	2.270	2.110	2.590	2.610	1.940		18,130	18.180	19.200	20.670	24.940	19.250	14.430	20.740	22.260	18.390			1.		95. 30.		1 1 1 1 1 1	FINAL RATE	A

PROJECT ASSUMPTIONS BASE DATE : 12/9 P.W. DATE : 12/9 REPORT DATE : 12/9	201 LOSS 1	RESERVE PARAMETERS	800 DRILL 801 SALVAGE	INVESTMENT	905 LOAD 910 LOAD 915 LOAD	OVERLAYS	761 OWN/ORR	
PTIO 12 12	NO 26.70		330.00 -33.00	S	P.OIL OIL # P.GAS GAS # P.WATER WTR	SCHEDULING RATES	.0000	;
TIME FRAMES : PW %-AGE : PROD QUAL :	CUMG, MMF	ITEM	495.00 M\$G .00 M\$G	& INTANGIBLES	#		D **	
1 1 1 * CD	F 51.78		12/95 TO	· н		SCHEDULE UNTIL	TO	
			AD LIFE			UNTIL	LIFE	
COM, FE	CUML, MB	ITEM		PROCEDURE		PROCEDURE	FLAT	
CD CD.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1			•	. 00	
OTH	; ; ; ;		825.000 -33.000	Q		ULTIMATE		
OTHER QUAL :	1 1 1		12/95	HTNOM	2/00 2/00 2/00	LAST	11/36	}
÷. ⊖	! ! !					EFF. DECL		
	1		825.0	TOT. TELER		INIT. RATE		
			825.0	[T]				

RESERVES AND ECONOMICS EFFECTIVE DATE: 12/95

PRESENT WORTH @ 10.00 %	ECONOMICS, M\$	WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	OIL PHASE B) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	PERIOD ENDING OWNERSHIP 1) WORKING INTEREST, & 2) REVENUE INTEREST, &
825.0 825.0 -824.1	2.3 .2 .0 1.2 .0 .0 .0 .0 .0 .0 .0 .0	. 2	1.1 1.0 1.7 1.810	.0 .0 .6	825.0 825.0 825.0	12/95 100.000 87.500
190.1 .0 .190.1 -634.0	232.9 16.8 14.3 0.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	. 000	18.3 16.0 39.7 2.480	· 10.3 9.1 193.2 21.35		12/96 100.000 87.500
109.8 .0 109.8 -524.2	154.3 11.1 14.3 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		11.6 10.1 24.9 2.460	7.5 6.5 129.4 19.83		12/97 100.000 87.500
40.1 .0 .0 40.1 -484.1	71.5 5.2 14.3 .0 .0 .0 .0 .0 .0 .0	. 000	10.1 8.9 17.6 1.980	4.6 4.0 53.9 13.52		12/98 100.000: 87.500
44.4 .0 44.4 -439.6	84.1 6.1 14.3 .0 63.6 63.6	. 000	10.3 9.0 19.2 2.140	4.0 3.5 64.8 18.34		12/99 100.000:
47.6 .0 47.6 -392.0	96.7 7.0 14.3 .0 .0 .0 .0 .0 .0	.1	7.4 6.5 16.0 2.470	3.8 3.4 80.8 24.03		12/00 100.000 87.500
28.8 28.8 28.8	69.7 5.0 14.3 .0 .0 .0 .0 .0 .0	0	6.2 5.4 13.3 2.450	3.3 2.9 56.4 19.76		12/01 100.000:
20.1 .0 .0 20.1 -343.1	57.2 4.2 114.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0	5.4 4.7 11.6 2.440	2.9 2.5 2.5 45.7 18.29		12/02 100.000:
14.4 .0 14.4 -328.8	48.6 3.5 14.3 .0 .0 .0 30.7	. 000	4.8 4.2 10.3 2.440	2.5 2.2 38.3 17.27		12/03 100.000 87.500
11.1 .0 11.1 -317.7	43.6 3.2 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	. 000	4.3 3.8 9.2 2.440	2.3 2.0 2.3 34.3 17.22		12/04 100.000 87.500
507.3 825.0 -317.7 -317.7	860.9 62.3 1.4 129.7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.3 1.3	79.5 69.6 163.4 2.350	41.2 36.1 697.4 19.34	825.0 825.0 825.0	S TOT
37.7 2.7 40.4 -277.3	400.3 29.1 .6 229.7 .0 .0 .0 .140.9 -33.0	. 2	39.8 34.8 84.9 2.440	20.9 18.3 315.4 17.22	-33.0 -33.0	AFTER 100.000 87.500
545.0 822.3 -277.3	1261.2 91.4 2.0 359.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.5 1.5	119.3 104.4 248.3 2.380	62.1 54.4 1012.8 18.63	.0 792.0 .0 792.0	25.2 YR TOTAL 100.000 87.500

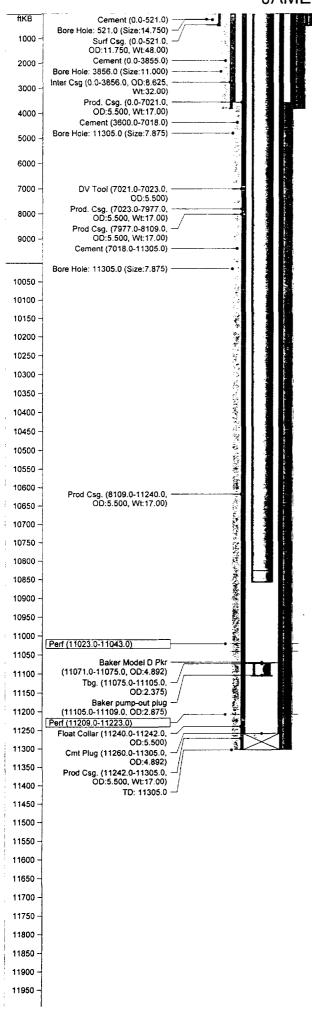
AFTER TAX ECONOMICS

				EFFECT	EFFECTIVE DATE: 12/95	E: 12/95							
PERIOD ENDING	12/95	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	12/04	S TOT	AFTER	TOTAL
TAX TREATMENT OF INVESTMENTS, MS	ENTS, M\$	1 1 1 1 1	1	1	1	1	; ; ;	1	!	1 1 1	1 1 2 1	1 1 2 1 1	1 1
1) EXD DICK & CAD INT	495 0	٥	>	5	>	5	>	>	,	•	2	,	; 1
2) DEPLETABLE	. 0		. 0				;				. 0		. 0
	330.0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	330.0	-33.0	297.0
TAX CALCULATIONS, M\$													
4) GROSS REV. TO INTR.	2.3	232.9	154'.3	71.5	84.1	96.7	69.7	57.2	48.6	43.6	860.9	400.3	1261.2
5) - SEVERANCE TAX	. 2	16.8	11.1	5.2	6.1	7.0	5.0	4.2	ພ	3 .2	62.3	29.1	91.4
,	. 0	. 0	0	. 0	. 0	. 0	.0	. 0	. 0	. 0	.0	. 0	. 0
·	1.2	14.6	14.5	14.4	14.4	14.4	14.4	14.4	14.4	14.3	131.1	230.3	361.4
) + NPI OWNED - PAID	. 0	. 0	.0	.0	.0	.0	.0	. 0	. 0	. 0	. 0	. 0	. 0
9) - OVERHEAD	495.0				o o								
- DEPRECIATION	9.5	49.9	78.9	56.3	40.2	29.5	29.5	29.5	12.3		330.0		330.0
) = NET	-498.0	151.5	49.7	-4.4	23.3	45.8	20.8	9.2	18.4	26.1	-157.5	140.9	-16.6
	. 0	. 0	. 0	. 0	. 0	. 0	.0	. 0	. 0	. 0	. 0	. 0	. 0
•	.0	. 0	.0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0
IN) * TAXABLE	75.0	35.0	15.7	л .4 л .4	23.3	. 4. n	20.8	9.2	18.4	26.1	-157.5	140.9	-16.6
17) - TAX CREDIT	. 0	. 0	. 0									. 0	. 0
- WPT REFUND	. 0	. 0	. 0	. 0	. 0	.0	. 0	. 0	. 0	. 0	. 0	. 0	. 0
19) - F.I.T.	-174.3	53.0	17.4	-1.6	8.2	16.0	7.3	3.2	6.4	9.1	-55.1	49.3	-5.8
20) REVENUE-SEV-WPT	2.1	216.1	143.1	66.3	78.0	89.7	64.7	53.1	45.0	40.4	798.5	371.2	1169.8
,	1.2	14.6	14.5	14.4	14.4	14.4	14.4	14.4	14.4	14.3	131.1	230.3	361.4
+	.0	. 0	. 0	. 0	. 0	.0	.0	. 0	. 0	. 0	. 0	. 0	. 0
•	-174.3	53.0	17.4	-1.6	8.2	16.0	7.3	3.2	6.4	9.1	-55.1	49.3	-5.8
H	175.2	148.4	111.2	53.5	55.4	59.3	43.0	35.5	24.2	16.9	722.6	91.6	814.2
25) - LOAN REPAYMENT	. 0		. 0	. 0	. 0	. 0	. 0	.0	.0	.0	.0	. 0	. 0
ı					. 0		. 0	.0	. 0	. 0	.0	. 0	. 0
1	1/5.2	148.4	7.11		υ υ •	, i	43.0	35,5	24.2	16.9	722.6	91.6	814.2
1 1	040.0			;	;		;				825.0	-33.0	792.0
43) * A.F.I.I. NEI	-049.8	140.4	111.2	0.0	. 4	٤. ٧	44.0	ند ن ن	24.2	16.9	-102.4	124.6	22.2
PRESENT WORTH @ 10.00 %													
NET INCOME	174.5	140.0	95.0	41.3	38.7	37.5	24.6	18.4	11.4	7.2	588.6	24.5	613.1
INVESTMENTS & RISK	825.0							.0	. 0	.0	825.0	-2.7	822.3
33) CUM. A.F.I.T. NET	-650.5	-510.4	-415.5	41.3	- 38.7 - 38.7	37.5	-24.6 -273 3	18.4	11.4	7.2	-236,4	27.2	-209.2
Com. A.F.1.1. NEI	-000.5	-510.4	-415.5	-3/4.2	- 335.4	-298.0	-273.3	-255.0	-243.6	-236.4	-236.4	-209.2	-209.2

ECONOMIC INDICATORS

AS OF DATE: 12/95

B.F.I. WORTH M\$ IS TABLE 16.3 -681.1 -683.1 -683.1 -683.1 -683.2 -673.2 -673.2 -683.1 -683.1 -683.2 -683.1 -683.1 -683.1 -683.1		1,03	1.02	UNDISCOUNTED NET/INVEST. DISCOUNTED NET/INVEST.
TABLE TABLE TABLE 16.387 -68.744 -44.733 -68.744 -12.20.273 -19.138 -141.755 238.255 -178.198 277.279 -209.203 408.704 -315.518 485.594 -315.518 485.594 -379.564 537.009 -425.079 602.651 -479.578 6625.222 -499.095 6643.681 -515.093 672.275 -539.947 25.13 25.11		25.17	25.17	DISCOUNTED PAYOUT, YRS.
T. A.F.I.T. WORTH M\$ M\$ 22.202 44 -22.202 44 -120.973 38 -141.75 56 -178.198 79 -209.203 04 -379.554 94 -379.564 09 -423.182 27 -455.079 51 -479.578 22 -515.093 -528.502 75 -539.947		25.11		UNDISCOUNTED PAYOUT, YRS.
T. A.F.I.T. WORTH M\$ M\$ 22.202 87		.7	. 4.	RETURN,
T. A.F.I.T. WORTH M\$ M\$ 22.202 44 -44.733 56 -120.973 38 -141.755 55 -178.198 79 -209.203 04 -379.564 -379.564 -423.182 27 -455.079 51 -479.578 22 -429.095 81 -515.093 -528.509	-566.00	-539,947	672.	100.
T. A.F.I.T. WORTH M\$ M\$ 22.202 44 -120.973 38 -141.755 56 -178.198 79 -209.203 04 -379.554 09 -423.182 27 -4455.079 51 -479.578	-5556.55 -556.55	-528.502		90.
T. A.F.I.T. WORTH M\$ M\$ 22.202 44 -120.973 38 -141.755 56 -178.198 79 -209.203 04 -315.518 04 -315.518 04 -315.518 04 -315.578	-531.90	-499.095	625.	70.
T. A.F.I.T. WORTH M\$ M\$ M\$ 22.802 44 -44.733 44 -120.973 38 -141.755 56 -178.198 -178.198 -209.203 04 -379.564 -379.564 -423.182 09 -423.182	-515.29	-479.578	602.	60.
T. A.F.I.T. WORTH M\$ M\$ 22.202 44 -44.733 56 -120.973 38 -141.755 55 -178.198 -178.198 -209.203 04 -379.564 -379.564 -423.182	-494.16	-455.079	-574.227	50.
MORTH MORTH MS MS MS MS MS MS MS MS MS MS MS MS MS MS MS MS MORTH MS MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH MS MORTH	-466.16	-423,182	-537.009	40.
T. A.F.I.T. WORTH MS	-426.93	-379.564	-485.594	30.
T. A.F.I.T. WORTH MS	-367.23	-315.518	-408.704	20.
T. A.F.I.T. A.F.I WORTH BONUS M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$	-260.89	-209.203	277	10.
T. A.F.I.T. A.F.I WORTH BONUS M\$ M\$ M\$ M\$ 1000000000000000000000000000000000	-227.49		238	8.
T. A.F.I.T. A.F.I WORTH BONUS M\$ M\$ M\$ M\$ M\$ M\$ 1	-186.3	•	192	6.
T. A.F.I.T. A.F.I WORTH BONUS M\$ M\$ M\$ M\$ 44 -44.733 -64	161.	•	165	5 ,
T. A.F.I.T. A.F.I WORTH BONUS M\$ M\$ 87 22.802 34.	64.	44.	89	2.
T. A.F.I.T. A.F.I. WORTH BONUS M\$ M\$	34.19	22.802		0.
A.F.I.T. A.F.I. WORTH BONUS M\$ M\$			TABLE	PRESENT WORTH PROFILE AND RATE-OF-RETURN VS. BONUS
A.F.I.T. A.F.I WORTH BONUS M\$ M\$				
T. A.F.I.T. A.F.I. WORTH BONUS		M\$	M\$	
T. A.F.I.T. A.F.I.		WORTH	WORTH	
	A.F.I.	A.F.I.T.	B.F.I.T.	



JAMES RAN	CH U	NIT#	30				•			
API No.		300152				itus			ACT	OIL
TD		11305.			En	gine	er		KA	Α
PBTD	1	1260.								
Operator		BEP				rmit			7077	
Well No. ID Code	CL	3(J SV8.030	1	Sp RR			- 	10/13	
Field			DANOS				etion		11/12	2/93
Author	LC	RA		·		st A			1 1/23	0/93
Date Updated	 	1/20					oned	-+		
Comments	 -	1/20	190		Λυ	anu	oneu			
Location	<u> </u>									
Township			023		Tor	2 2	titude			0
TOWNSHIP			023				ngitud			0 -
Range		F	031		Tor	2 N.S	3 Dista	nce	1980	0.0 ft S
r turigo					To	o EV	V Dista	ance		0.0 ft E
Section			6				Latitu			0
Unit Ltr.			J				Longi			0
State		New	Mexico	,	Btn	n NS	S Dista	nce	0.	0 ft
County		E	ddy		Btn	n EV	N Dista	ance	0.	0 ft
Elevations										
KB			29.9 ft			s Fli				.0 ft
Grd			10.7 ft		Tut	э Не	ead		0	.0 ft
KB-Grd			9.2 ft	!						
Casing Strin								(===		
ltem		Top	Btm	Jn	ts		ID	Wt	Grd	Thd
(in)	(1		(ftKB)	ļ	4.0		1.000	40.00	11.45	
11 3/4 in Surf		0.0	521.0		12	1	1.080	48.00	H-40	STC
Csg.	- I	40		<u></u>						<u> </u>
Casing Strin							יח	144		-
Item (in)		Top	Btm (#KB)	Jn	เร		ID	Wt	Grd	Thd
	- 10		(ftKB)	ļ	00		7 021	22.00	VEE	
8 5/8 in Inter C			3856.0		90		7.921	32.00	K-55	LTC
Casing Strin								1014		
Item		Top	Btm	Jn	ts		ID	Wt	Grd	Thd
(in) 5 1/2 in Prod.	(1		(ftKB)	-	00		4 000	47.00	V CC	+
		0.0	7021.0	,	63		4.892	17.00	K-55	LTC
Csg. 5 1/2 in DV Too	0 70	021.0	7023.0	_			0.000	0.00		
5 1/2 in Prod.			7977.0		23		4.892	17.00	K-55	LTC
Csg.	/ \	J23.U	1911.0	1	23		4.092	17.00	K-35	LIC
5 1/2 in Prod C	sa 79	977 O	8109.0		3		4.892	17.00	S-95	LTC
5 1/2 in Prod C					79		4.892	17.00		LTC
5 1/2 in Float			1242.0		` 		4.892			1
Collar	1			İ						
5 1/2 in Prod C	sg. :12	242.0	1305.0		2		4.892	17.00	N-80	LTC
Casing Cem										
Casing Str		7	Гор	An	nou	nt		Con	ment	 S
•	J		KB)		(sx)					
Surface Casing	j		0.0		3	390				
Intermediate C	asing		0.0		11	135				
Intermediate C Production Cas	asing sing		0.0 3600.0		11	135 780	TOC			
Intermediate C Production Cas Production Cas	asing sing sing		0.0 3600.0 7018.0		11	135 780		Est. 70 out (DV Too	ol.
Intermediate C Production Cas	asing sing sing		0.0 3600.0 7018.0	ng	11	135 780			DV Too	ol.
Intermediate C Production Cas Production Cas	asing sing sing g - Pi	rimar Top	0.0 3600.0 7018.0 y Tubi Btm		11	135 780 960			OV Too	
Intermediate C Production Cas Production Cas Tubing Strin Item (in)	asing sing sing g - Pi	rimar Top ftKB)	0.0 3600.0 7018.0 y Tubi Btm (ftKB	3)	1°	135 780 960 s	Circ 1 ID (in)	70 out (Gre	d Thd
Intermediate C Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg	asing sing sing g - P r	rimar Top ftKB)	0.0 3600.0 7018.0 y Tubi Btm (ftKB	3)	11	135 780 960 s	Circ 1 ID (in) 2.44	70 out (Wt 1 6.50	Gro	d Thd
Intermediate C Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN	asing sing sing g - P ı	rimar Top ftKB) 0.0	0.0 3600.0 7018.0 y Tubi Btm (ftKB 10827	3) '.0	1°	135 780 960 s	ID (in) 2.44	70 out (Wt 1 6.50	Gr 6	d Thd
Intermediate C Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Tbg	asing sing sing g - Pi	rimar Top ftKB) 0.0 0827.0	0.0 3600.0 7018.0 y Tubi Btm (ftKE 10827 10828	3) '.0 3.0 '.0	1°	135 780 960 s	ID (in) 2.44 0.000 0.000	70 out 0 Wt 1 6.50 0 0.00	Green	d Thd
Intermediate C Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Tbg 2 7/8 in Baker	asing sing sing g - Pi	rimar Top ftKB) 0.0 0827.0	0.0 3600.0 7018.0 y Tubi Btm (ftKB 10827	3) '.0 3.0 '.0	1°	135 780 960 s	ID (in) 2.44	70 out 0 Wt 1 6.50 0 0.00	Green	d Thd
Intermediate C Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Tbg 2 7/8 in Baker Seal Assemb.	asing sing sing g - Pi (10	rimar Top ftKB) 0.0 0827.0 0828.0	0.0 3600.0 7018.0 y Tubi Btm (ftKB 10827 10828 10857	3) 7.0 3.0 7.0	Jnt:	135 780 960 s	ID (in) 2.44 0.000 0.000	70 out 0 Wt 1 6.50 0 0.00	Green	d Thd
Intermediate C Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Tbg 2 7/8 in Baker Seal Assemb. Other (plugs	asing sing sing g - Pi (10	rimar Top ftKB) 0.0 0827.0 0828.0	0.0 3600.0 7018.0 y Tubi Btm (ftKB 10827 10828 10857 10860	3) 7.0 7.0 7.0 7.0 7.0	Jnt:	135 780 960 s	ID (in) 2.44 0.000 0.000	70 out 0 Wt 1 6.50 0 0.00	Green	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Tbg 2 7/8 in Baker Seal Assemb.	asing sing sing g - Pi (10	rimar Top ftKB) 0.0 0827.0 0828.0	0.0 3600.0 7018.0 y Tubi Btm (ftKB 10827 10828 10857	3) 7.0 7.0 7.0 7.0 7.0	Jnt:	135 780 960 s	ID (in) 2.44 0.000 0.000	70 out 0 Wt 1 6.50 0 0.00	Green	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Tbg 2 7/8 in Baker Seal Assemb. Other (plugs Date	asing sing sing ig - Pi	rimary Top ftKB) 0.0 0827.0 0828.0 0857.0	0.0 3600.0 7018.0 y Tubi 8tm (ftKB 10827 10828 10857 10860 tc.) - P	3) 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	Jnt:	135 780 960 s	ID (in) 2.44 0.000 0.000	70 out (Wt 1 6.50 2 0.00 3 0.00 0 0.00	Gro	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Tbg 2 7/8 in Baker Seal Assemb. Other (plugs Date	asing sing sing g - Pr (rimary Top ftKB) 0.0 0827.0 0828.0 0857.0	0.0 3600.0 7018.0 y Tubi Btm (ftKB 10827 10828 10857 10860	3) 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	Jnt:	135 780 960 s	ID (in) 2.44 0.000 0.000	70 out (Wt 1 6.56 2 0.00 2 0.00 1 110	Gro	1 Thd 0 8rd 8rd 11075.0
Intermediate C Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Tbg 2 7/8 in Baker Seal Assemb. Other (plugs Date 12/7/95 12/7/95	asing sing g - Pr (10 10 10 10 10 10 10 10 10 10 10 10 10	rimar Top ftKB) 0.0 0827.0 0828.0 0857.0 ip., et	0.0 3600.0 7018.0 y Tubi Btm (ftKE 10827 10828 10857 10860 Ite	1 3) 7.0 7.0 7.0 7.0 9.0 Plug	Jnt:	135 780 960 s	ID (in) 2.44 0.000 0.000	70 out (Wt 1 6.55 2 0.00 2 0.00 1 110 110	Green	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Tbg 2 7/8 in Baker Seal Assemb. Other (plugs Date 12/7/95 12/7/95	asing sing sing () () () () () () () () () (rimar Top ftKB) 0.0 0827.0 0828.0 0857.0 ip., et	0.0 3600.0 7018.0 y Tubi 8tm (ftKB 10827 10828 10857 10860 tc.) - P	1 3) 7.0 7.0 7.0 7.0 9.0 Plug	Jnt:	135 780 960 s	ID (in) 2.44 0.000 0.000	70 out (Wt 1 6.50 0.000	Green	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Baker Seal Assemb. Other (plugs Date 12/7/95 12/7/95 11/10/93	asing sing sing () () () () () () () () () (rimar Top ftKB) 0.0 0827.0 0828.0 0857.0 ip., et	0.0 3600.0 7018.0 y Tubi Btm (ftKE 10827 10828 10857 10860 Ite	1 3) 7.0 7.0 7.0 7.0 9.0 Plug	Jnt:	135 780 960 s	ID (in) 2.44 0.000 0.000	70 out (Wt 1 6.50 0.000	Green	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Baker Seal Assemb. Other (plugs Date 12/7/95 12/7/95 11/10/93 Perforations	asing sing sing () () () () () () () () () (rimar Top ftKB) 0.0 0827.0 0828.0 0857.0 ip., et	0.0 3600.0 7018.0 y Tubi (ftKE 10827 10828 10857 10860 tc.) - P Ite	(10) (10) (10) (10) (10) (10) (10) (10)	Jnt:	135 780 960 s	ID (in) 2.44* 0.000 0.000	70 out (Wt 1 6.50 0 0.00 0.00 0.00 0 0.00 0	Green Gree	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in Tbg 2 7/8 in Baker Seal Assemb. Other (plugs Date 12/7/95 12/7/95	asing sing sing () () () () () () () () () (rimar Top ftKB) 0.0 0827.0 0828.0 0857.0 ip., et	0.0 3600.0 7018.0 y Tubi Btm (ftKB 10827 10828 10857 10860 Ite	(10) (10) (10) (10) (10) (10) (10) (10)	Jnt:	135 780 960 s	ID (in) 2.44* 0.000 0.000	70 out (Wt 1 6.50 0 0.00 0.00 0.00 0 0.00 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0	Green	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Tbg 2 7/8 in Baker Seal Assemb. Other (plugs Date 12/7/95 12/7/95 11/10/93 Perforations Date	asing sing sing () () () () () () () () () (rimary Top ftKB) 0.0 0827.0 0828.0 0857.0 ip., et	0.0 3600.0 7018.0 y Tubi Btm (ftKB 10827 10860 tc.) - P Ite	3) (.0) (.0) (.0) (.0) (.0) (.0) (.0) (.0	35 Jnt:	135 780 960 s 33	ID (in) 2.44 0.000 0.000	70 out (Wt 6.50 0.00 0.00 110 110 1112 Shots (/ft)	Green Sta	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in SN 2 7/8 in Baker Seal Assemb. Other (plugs Date 12/7/95 12/7/95 11/10/93 Perforations Date 11/18/93	asing sing sing () () () () () () () () () (rimary Top ftKB) 0.0 0827.0 0828.0 0857.0 ip., et	0.0 3600.0 7018.0 y Tubi Btm (ftKB 10827 10828 10857 10860 tc.) - P Ite	(100) (1	35 Jnt: 35 Ba	135 780 960 s 33	ID (in) 2.44 0.000 0.000	70 out [Wt 1 6.56 0 0.00 0 0.00 110 1110 1112 Shots (/ft) 4	Gro N-8 O O O O O O O O O O	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Production Cas Production Cas Production Cas Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Tbg 2 7/8 in Baker Seal Assemb. Other (plugs Date 12/7/95 12/7/95 11/10/93 Perforations Date 11/18/93 12/7/95	asing sing sing (rimary Top ftKB) 0.0 0827.0 0828.0 0857.0 ip., et	0.0 3600.0 7018.0 y Tubi Btm (ftKE 10827 10828 10857 10860 tc.) - P Ite Poot plu	(100) (1	35 Jnt: 35 Ba	135 780 960 s 33	ID (in) 2.44 0.000 0.000	70 out [Wt 1 6.56 0 0.00 0 0.00 110 1110 1112 Shots (/ft) 4	Green Sta	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in SN 2 7/8 in Baker Seal Assemb. Other (plugs Date 12/7/95 12/7/95 11/10/93 Perforations Date 11/18/93 12/7/95 Stimulations	asing sing sing () () () () () () () () () (rimary Top ftKB) 0.0 0827.0 0828.0 0857.0 ip., et	0.0 3600.0 7018.0 y Tubi Btm (ftKB 10827 10828 10860 tc.) - P Ite 10 D Pkr 0-out plu	33) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	35 Jnt: 35 Ba	135 780 960 s 33 acks	ID (in) 2.44 0.000 0.000 0.000	70 out (Wt 1 6.56 0 0.00 0 0.00 110 1110 1112 Shots (/ft) 4 2	Gro	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Baker Seal Assemb. Other (plugs Date 12/7/95 12/7/95 11/10/93 Perforations Date 11/18/93 12/7/95 Stimulations Date Ty	asing sing sing (10 10 10 10 10 10 10 10 10 10 10 10 10 1	rimary Top ftKB) 0.0 0827.0 0828.0 0857.0 ip., et	0.0 3600.0 7018.0 y Tubi Btm (ftKB 10827 10828 10860 tc.) - P Ite 10 D Pkr 1000 100	13) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	35 Jnt: 35 Ba	135 780 960 s 33 acks	ID (in) 2.44 0.000 0.000	70 out [Wt 1 6.56 0 0.00 0 0.00 110 1110 1112 Shots (/ft) 4	Gro	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in SN 2 7/8 in Baker Seal Assemb. Other (plugs Date 12/7/95 12/7/95 11/10/93 Perforations Date 11/18/93 12/7/95 Stimulations	asing sing sing (10 10 10 10 10 10 10 10 10 10 10 10 10 1	rimary Top ftKB) 0.0 0827.0 0828.0 0857.0 ip., et	0.0 3600.0 7018.0 y Tubi Btm (ftKE 10827 10828 10857 10860 tc.) - P Ite 10 D Pkr 1023.0 - 209.0 -	13) 3) 3.0 3.0 7.0 3.0 7.0 3.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	35 Jnt: 35 Ba	135 780 960 s 33 acks	ID (in) 2.44 0.000 0.000 0.000	70 out (Wt 1 6.56 0 0.00 0 0.00 110 1110 1112 Shots (/ft) 4 2	Gro	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Baker Seal Assemb. Other (plugs Date 12/7/95 12/7/95 11/10/93 Perforations Date 11/18/93 12/7/95 Stimulations Date Ty 2/20/93 Sand F	asing sing sing (10 10 10 10 10 10 10 10 10 10 10 10 10	rimary Top ftKB) 0.0 0827.0 0828.0 0857.0 ip., et	0.0 3600.0 7018.0 y Tubi Btm (ftKE 10827 10860 10857 10860 tc.) - P Ite D Pkr 0-out plu 1023.0 - 209.0 - ents Intervi	1104 11104 11122 11104 11104 11104 11104 11104 11104 11104 11104	35 Jnt: 35 Ba	135 780 960 s 33 acks	ID (in) 2.44 0.000 0.000 0.000	70 out (Wt 1 6.56 0 0.00 0 0.00 110 1110 1112 Shots (/ft) 4 2	Gro	d Thd 0 8rd
Intermediate C Production Cas Production Cas Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 2 7/8 in SN 2 7/8 in Baker Seal Assemb. Other (plugs Date 12/7/95 12/7/95 11/10/93 Perforations Date 11/18/93 12/7/95 Stimulations Date Ty	asing sing sing (10 10 10 10 10 10 10 10 10 10 10 10 10	rimary Top ftKB) 0.0 0827.0 0828.0 0857.0 ip., et	0.0 3600.0 7018.0 y Tubi Btm (ftKE 10827 10828 10857 10860 tc.) - P Ite 10 D Pkr 1023.0 - 209.0 -	1104 11122 110000	35 Jnt: 35 Ba	135 780 960 s 33 acks	ID (in) 2.44 0.000 0.000 0.000	70 out (Wt 1 6.56 0 0.00 0 0.00 110 1110 1112 Shots (/ft) 4 2	Gro	d Thd 0 8rd

WELL HISTORY

James Ranch Unit No. 30 WELL NAME:

FIELD NAME: Los Medanos (Bone Spring)

1980' FSL & 2310' FEL, SEC 6, T23S, R31E, Unit J LOCATION:

Eddy County, New Mexico

GL 3310.7', DF 3327.9', KB 3329.9' **ELEVATION:**

SPUD DATE: 1/13/93

COMP DATE: 11/25/93

ORIG TD: 11,305'

ORIG PBTD: 11,260'

CASING: 11-3/4" 42# H-40 ST&C CSA 521' W/390 SX, cmt circ, 14-3/4" hole 0-520'.

8-5/8" 32# K-55 LT&C CSA 3856' w/1135 SX, cmt circ, 11" hole 520-3855'. 5-1/2" 17# K-55 & N-80 LT&C CSA 11,305'. Cmt 1st stage W/960 sx, circ 170 sx off DV tool @ 7018'. Cmt 2nd stage W/780 SX. Est TOC 3600'. 7-7/8" hole 3855-

11,305'.

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

DST: NONE

CORES & LOGS: 11/11/93: CNL/LDL, DIL/SFL

11/18/93: GR-CCL 11,250' TO 8,500'.

INITIAL COMPLETION:

COMPLETE IN BONE SPRING 11/15/93-2/2/94

Drill FC & cmt to 11,250' PBTD. Run GR/CCL 8500-11,250'. 11/18/93

Perf 11,023-43', 4 SPF. Set pkr @ 10,950'. Acidize w/1500 gals 7-1/2% HCL + additives 11,023-43'. Swab well. Run BHP survey. 71 hr dead weight SITP 3368 psi. Flwg - 24 hr test: 8 BO, 0 BW, 11 MCF on 8/64" chk. Rel pkr @ 10,950'. Frac 11,023-43' w/45,000 gals 40# x-link gel, 403,500# 20/40 Ottawa sd, 16,500# Econo-Prop. Flow well. SI for battery modifications. Swab well. Set pkr @ 8072'. Perf tbg @ 8138'. Place well on prod.

IP: 2/2/94 24 hrs F 65 BO, 12 BW, 107 MCF on 24/64" chk.

WORKOVERS

12/4/95-1/6/96 RECOMPLETION TO ADD WOLFCAMP ZONE

Tag fill @ 10,979'. DO sd 10,976-11,250' (PBTD). Spot 200 gals

15% HCL acid + additves.

Perf 11,209-223', 2 SPF. Set Baker Mod "D" perm pkr @ 11,071'. 12/7/95

Attempted to sting latch seal assembly into perm pkr - no

success. Appears to be frac sd on top of pkr. Using 1-1/4" coiled the wash to pump out plug @ 11,112'. Latch into perm pkr @ 11,071'. Pull tension into pkr latch assembly. At 150,000-155,000# tension, top section of unit derrick failed & scoped

together. Entire derrick then fell forward onto unit along

JAMES RANCH UNIT #30 WELL HISTORY

12/4/05-1/6/96

CONTINUED

w/356 jts of 2-7/8" prod tbg in derrick. No major injuries. Baker Oil Tool hand on floor slightly injured. Workstring dropped approx. 10' & 3-1/2" tbg hung on slip type elevators. Use crane to untangle 2-7/8" prod tbg & misc. equip. Clean loc & inspect tbg. Visual inspection showed 15-20 jts severely bent & $\pm 20\%$ of remainder bowed & warped. MIRU replacement PU. Unsting from pkr assembly. Break dwn Wolfcamp perfs w/6600 psi (CP 220 psi). Pump spot acid away. Frac Wolfcamp perfs 11,209-223' w/34,020 gals YF-140D, 172,000# 20/40 Ottawa sd, & 30,327# 20/40 Econoprop w/Propnett II. Flowed well. Put well on test. Tag top of sd @ $\pm 11,223'$. Wash sd to PBTD @ 11,260'. Unsting from pkr assembly @ 11,071'. Re-dress seal assembly, tag pkr, & latch in w/seal assembly. Rel seal assembly. Pump 300 gals 15% HCL \pm additives across 11,023-43'. Swab well. Place well on prod.

AWO: 3/19/96 24 hrs F 61 BO, 0 BW, 133 MCF on 12/64" chk. FTP 360#, SICP 1380#.

1/24/00 LAH DISTRICT III

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

DISTRICT I

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

P.O. Drawer DB, Artesia, NM 68210

1000 Rto Brazos Rd., Artec, NM 87410

4 5 4 5 4

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	AFTODICE 00	ODUSTON CONTAIN	Lease	141/00 041/0			Well No.	
BA33 E	NIERPRISES PRI	ODUCTION COMPANY		JAMES RANC	וואט א		30	
Unit Letter	Secuoa	Township	Range			County		
J	6	23 SOUTH		31 EAST	ИМРУ	<u> </u>	EDDY	
Actual Footage Lo								
		OUTH time and	2310		feet from	ue EAS		
Ground Lavet Ele	1		Sool	_			Dedicated Acre	:#\$4:
3312.4			Los Me				40	Acres
1. Outline the s	acreage dedicated to	the subject well by colored	pencil or bac	hure marks on the	piat below			
2. If more than	s one lease is dedic	saled to the well, outline eac	h and identify	the ownership the	reof (both	ss to workin	g interest and	royelty).
unitization.	force-pooling, etc.				all owners	been consol	idated by comm	uniUzation.
∐ Yes	∐ No	If answer is 'yes' type						
this form necess	su7	nd tract descriptions which					utization (orc	ed encoline
		rd unit, eliminating such in						
				7		OPERAT	OR CERTIFI	CATION
1	1						by certify the th	
	!			1			nn is true and co nuledge and beitef	-
ſ	!			1		Signagura , (
	İ			1		- Yur	2. Du	
	ĺ					Printed Nam Caith E.		0
	+	+		+	🚅 ⊨	Poettion	Bucy	
			ļ	1			g. & Prod.	Supt.
		1			1 1	Company		i . C.
	!					Sass Ente Dete /	erprises F	roa. Co
	!		ļ			4/2	0/93	
	[SURVEYO	R CERTIFIC	ATION
	<u> </u>			 		•		
		Y///					, that the well lo as plusted from f	
	•	3310/25	1/4/			atual surveys	made by me .	- under my
	i	イナナイ	///i				d that the some a best of my k	
	Ì	Y. Or	//// i	-2310′		ollof.		
	; (3310.9; 321	3///		1 -	Date Surveye		_
	i	V/V/					CH 25, 199	3
	·+		_/_/_4			Signature & Professional		
	. !	ġ	ļ			بير	TOY I	
	ļ	0961 -	1			i	GARY L. JONES	
	1		1		117	\	7	
I I	, 1		. !		3	XION	X 7277	MAR
	1		· ;			arustrata N	a voing w.	676
	i						20, 20 J. 20	3239
330 660	990 1320 1650	1980 2310 2840 200	a 1500	1000 500	; -	-#:	CENTINE DE	1
	1020 1030	+ +	- +		· 1	35		

Form 3150 4 (July 1992)		UNU	D ST	ATES	ing ili.	<u>и тімі</u> ОО	. DUPLIC)F	ERAH	TRO:	S10000 Y
	DEPAR	TMEN	NT OF T	HE IV	LERIC)Ev.,,	stru reve	rtiums on	5. UKASE DE	BIGHAT	TON AND BERIAL HO
		UKEAU	OF LAND M	ANAGEM	ENT:	· 16-4	5	7	NMNH-C		
WELL CO	OMPLETION	4 OR F	RECOMPL	NOITE.	REPORT	AN	D LO	G*	6. IF INDIAN	. ALI.O	TTES OR TRIBE NAME
TYPE OF WE		1. Et.L X	GAS WELL	PRYICE	Other				J. I'NIT AGR	KEMEN	T NAME
L TYPE OF CO					जिल्ला 🙃		•	\.	James	Rano	ch_Unit
Wist.t.	OF EM D	KEL-	BACK [BENYR.	Other				8. FARM O	RLEA	SE NAME. WELL NO
2. NAME OF OPERA	•										ch Unit #30
Bass Foto	arnrises D	roducti	on Compa	ny	- 				9. API WELL		70.4
	< 2760 Mi		Texas 79	702-276	0 (9	15) 6	583-22	77	30-015		U4
4. IQUATION UP WE		ion clearly	and in accord	unce with a	ny State req	, -		, ,	Los Me	dano	S (Wolfcame
At top prod. in	terval reported t	elow									
At total depth	Same as a	ahove							Sectio	n 6,	T23S-R31E
	-		14.	PERMIT NO	·-	DATE	1830 ED		12. COUNTY) E	13. STATE
	<u></u>					<u> </u>			Eddy		NM
15. DATE SPUDGED	16. DATE T.D.		17. DATE COME		to prod.)			F. RKB, R	T. GB. ETC.)*	19.	ELEY. CASINGHEAD
10-13-93	11-11-9		11-25-9		TIPLE COMP		.2' FL	727413	ROTARY TOO	<u> </u>	CABLE TOOLS
11,305'	ì	.260'		How 3				LED BY		1	(1909 1000
24. PRODUCING INTE		, , , , , ,	ON-TOP, BOTT	OM, MANE (OFT OKA DK) *	<u> </u>		0-11,305		. WAS SIRECTIONAL
11,209-11	,223' (28	Holes) Wolfcar	пр							NO
26. TYPE ELECTRIC	LHO OTHER LOGS	RUN.							· I	27. 🕶	AS WELL CORBD
NA		····									No
CASING SIZE/GRAVE	FEIGHT, CA.	/FT. 05	CASING RE		port all strin	go set is	· · · · · · · · · · · · · · · · · · ·	AFNT CFUI	ENTING RECORD		AMOUNT PULLED
11-3/4"	42 =		520'		-3/4"	Cin			355 "C"		
,-5/8"	32 ≠		3855	11			c 1135		lass "C"		None None
5-1/2"	17#		11305	7	-7/8"	TOC	3600'	1840	sx Clas	<u>5_"</u> ¢	" None
29.		LINER RI	CORD			1	30.	7.1	BING RECO	RD	
SIZE	тор (ма)	воттом	MD) SACKE	CEMENT*	SCREEN (ICM	SIZE	D	EPTH ABT (MI)	FACRER SHT (MD)
None							2-7/8		11,040	1	11.071'
31. PERFORATION ASC	oso (Interval. s	ee and nur	10001		1 ••	1	D SHOT		RE. CEMENT	2011	****
4" casing gi				Degree	DEPTH IS						ATERIAL USED
phased 80 ho	oles 11,02	3-11,04	13'.	-			.043				HCl acid
1" asaiss s	1	. / 0 10							additive		
4" casing go phased 28 ho	un loaded			vegree	11.20	9-11	2231				gals 40# ge
43.•	7763 11,20		.J		DICTION			172.(<u> 20/4</u>	<u>10 0</u>	ttawa Sand
DATE PIRET PRODUCTI	ON PROD	CTION MET	HOO (Flowing			and (y	pe of pum	p)			(Producing or
-3/10/06 DATE OF TEST	51	owina							shut		roducina
DATE OF THET	HOURS TESTED	CHOK		D'N. FOR	016-886.	1	9A5—30	۲.	WATER-BL.		OITAL SIG-EAU
3/19/96	24		/64" -	· 881.,	61	-MCT.	13	3 1	0	011. 63	2180
360	_		TR RATE	61		133		*ATER	_		7.8
34. DISPOSITION OF GA	Packer (Soid. weed for	/wei, vente	d, etc.)	01	I	133	. 1,	7 1 1	TEST WITHES		<i>,</i>
Sales & Leas	e Use		 		- /	Lors	(····		
None					601	9 19	96				
36. I hereby certify	that the foregoin	g and atta	ched informati	lon la comp	ete and cor	rect 4s	determine	व (र्वक का	l available re	cords	
CHED TIK	B. Wilke	«Tami !	<u>Wil</u> ber	ritle : 1	`Þśodučt	ìbn'/	Clerk!(0	DATE	<u>_</u> 6	/18/96

*(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.

Form 3160-5 (June 1990)

Title 18 U.S.C. Section 1001, makes it a criti

JNITED STATES DEPARTMENT OF THE INTERIOR

	-910	JKS CUT
Uri	4.41	FORM APPROVED
<i>j</i>	11.11	1 13 BLM - CKA

BUREAU OF LAND MANAGEMENT February 08, 1996 5. Lesse Désignation and Serial No. SUNDRY NOTICES AND REPORTS ON WELLS NMNM04473 Do not use this form for proposals to drill or to deepen or reentry to a different reservoir 6. If Indian, Allotee or Tribe Name Use "APPLICATION FOR PERMIT" for such proposals SUBMIT IN TRIPLICATE 7. If Unit or CA, Agreement Designation 1. Type of Weil X Cil Well Gas Well Other James Ranch Unit 2. Name of Operator 8. Weil Name and No. Bass Enterprises Production Company James Ranch Unit #30 3. Address and Telephone No. 9. API Well No. P. O. Box 2760 30-015-27704 Midland, Texas 79702-2760 (915) 683-2277 10. Field and Pool, or Exploratory Area 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Los Medanos (Bone Spring) 11. County or Parish, State 1980 FSL & 2310 FEL Section 6, T23S-R31E, Unit Letter J Eddy County, New Mexico CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Abandonment Change of Plans Recompletion **New Construction** X Subsequent Report Plugging Back Non-Routine Fracturing Casing Repair Water Shut-Off Final Abandonment Notice Altering Casing Conversion to Injection Other Perf Wolfcamp Commingle Dispose Water with Bone Spring (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) ed Operations (Cleany state all pertinent details, and give pertinent dates, including estimated date of starting any progive subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* 1. Perforated Wolfcamp perfs with 4" casing gun loaded with 2 JSPF @1800 phased 28 holes 11,209-11,223". 2. Permanent packer assembly set @ 11,071". 3. Frac Wolfcamp with 34,020 gals 40# gel. 172,000# 20/40 Ottawa Sand. 4. Recovered 709 bbls. Requests authority to downhole commingle the Bone Spring (11,023-11,043') and Wolfcamp (11,209-11,223') formations. All produced fluids are compatible with each other. The value of production will not be decreased by commingling. Application for downhole commingling has been filled with the NMOCD. The following method of allocation will be used for produced fluids. May-Jul Aug-Oct Nov-Dec Feb-Apr Bone Spring 39.1% 40.7% 42.2% 43.7% 56.3% Wolfcamp 59.3% 57.8% Subject to 60.9% Like Approval by State and 14. I hereby certify that the foregoing is true and correct Tami L. Wilber **Production Clerk** (This space for Federal or State office use), Approved by Conditions of approval, if any:

ne for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent state

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

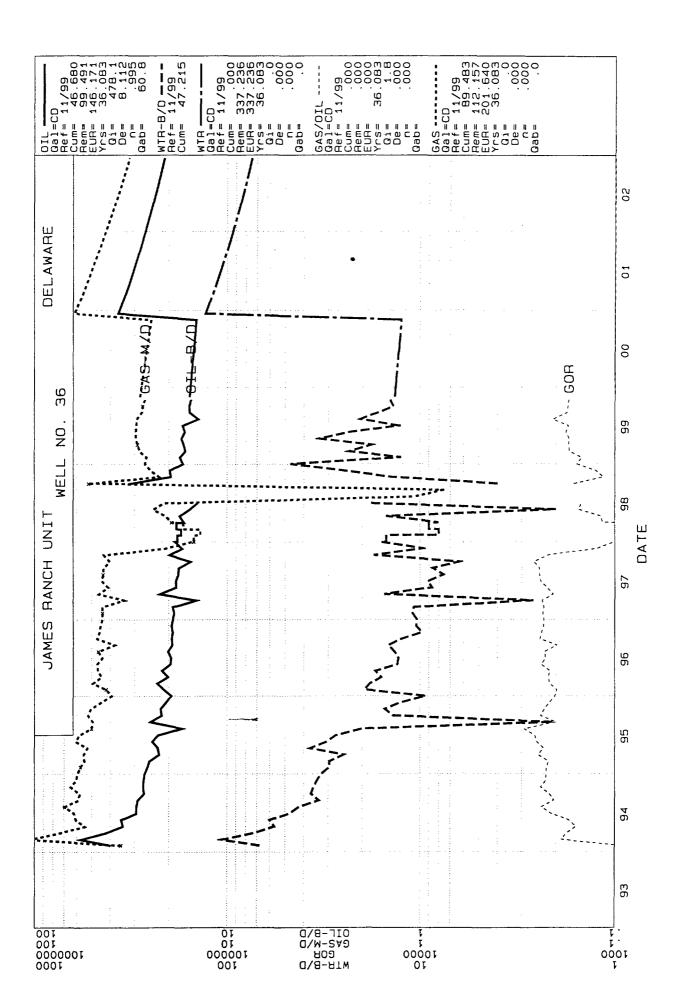
WELL DATA

WELL		AMES RANCH UNIT #36	FORM.	ATIC	DELAWARE	
OCATION	G	UNIT,1980 FEET F	ROM <u>NORTH</u> LINE 8	t <u>1860</u> FEE	T FROM <u>EAST</u> L	LINE
ECTION	ITOWNSHIP		E, COUNTY	EDDY	, NEW MEXIC	co
PUD DATE	11/26/93	COMPLETION DATE	1/23/94 INITIA	L PRODUCTION	1/23/94	
ERFORATIO	ONS <u>7445', 47', 6</u>	52', 92', 94', 96', 7501', 03', 0	5, 07',13',91', 93'			
		1	·			
TIMULATIO	ON:					
	ACID					
	FRACTURE	7445-7593' 23,500 GALS 35#	# GEL + 56,000# 20/40	DBRADY SAND + 20,0	000# 16/30 RCS	
						
	1/22/94 33 BOPD, 275					
		BWPD, 0 MCFPD Wellbore Sketch of Completed Wel	I.)			
		Wellbore Sketch of Completed Wel	I.)	I		
		Wellbore Sketch of Completed Wel				
		Wellbore Sketch of Completed Wel		SANDS NOT PERF POTENTIALLY PRO		
Attach Copy		Wellbore Sketch of Completed Wel	RIC CALCULATION	SANDS NOT PERF		
Attach Copy	of C-105. Attach Copy of V	Wellbore Sketch of Completed Well VOLUMETI SANDS	RIC CALCULATION	SANDS NOT PERF		
Attach Copy Area (A) protorosity (por)	of C-105. Attach Copy of Northern Copy o	Wellbore Sketch of Completed Wellbore Sketch of Completed Well VOLUMETI	RIC CALCULATION	SANDS NOT PERF POTENTIALLY PRO		
Attach Copy Area (A) proi orosity (por) Vater saturati	of C-105. Attach Copy of V ration unit size, acres , % on (Sw), %	VOLUMETI SANDS 40 12.0%	RIC CALCULATION	SANDS NOT PERF POTENTIALLY PRO 40 15.0%		
Attach Copy Area (A) protorosity (por) Vater saturati	of C-105. Attach Copy of V ration unit size, acres , % on (Sw), %	VOLUMETI SANDS 40 12.0% 60%	RIC CALCULATION	SANDS NOT PERFPOTENTIALLY PRO 40 15.0%		
Attach Copy Area (A) proforosity (por) Vater saturation let Thickness comperature of	of C-105. Attach Copy of Veration unit size, acres , % on (Sw), % (h), ft.	VOLUMETI SANDS 40 12.0% 60%	RIC CALCULATION	SANDS NOT PERF- POTENTIALLY PRO 40 15.0% 63% 13		
Area (A) proo	of C-105. Attach Copy of Veration unit size, acres , % on (Sw), % (h), ft. (T), Fahrenhelt pressure (P), psia	VOLUMETI SANDS 40 12.0% 60% 120	RIC CALCULATION	SANDS NOT PERF- POTENTIALLY PRO 40 15.0% 63% 13 120		

PERFORMANCE DATA

if sufficient history exists, a	ttach plot of oil production	rate v time.)			
CUMULATIVE PRODUCT	ION TO 11/	30/99;	46,680 BBLS		
		PRO	DUCING		BEHIND PIPE
NITIAL RATE (qi)			478		699
CONOMIC LIMIT (qi)			60		60
ECLINE RATE, dy (Hyper	bollc, n=.995)	8	.11%		31.10%
EMAINING OIL (Q) =		7	4,720		12,000
ILTIMATE RECOVERABL	E OIL	13	3,400		
Attach plat showing prorati	on unit and participating are	ea.)			
		ECO	NOMIC		
VELL COST \$	570,000 (to the dep	th of formation complete	d)		
ECOMPLETION COST \$	65,000 (1)	2/2000)			
OTAL COST \$	635,000				
YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW	
ZERO	0	0	0	-570,000	
1	12,200	206,400	43,900	154,700	
2	8,200	154,800	34,400	103,600	
3	7,300	172,400	34,600	107,400	
4	6,600	145,100	31,800	79,800	
5	5,200	70,600	26,000	28,400	
6	6,700	127,500	32,400	54,900	
-	6,100	151,400	32,100	62,300	
7					
7 8		232.800	39.600	91,300	
8	11,200	232,800	39,600	91,300	
		232,800 164,900 125,900	39,600 33,800 30,500	91,300 56,100 36,900	

WELL IS COMMERCIAL



INPUT DATA

Table				H Z	PUT D	ATA				CAL	CULAT	ED DAT.	Þ
START 11/99	ITEM	SCHEDULIN	RATES	: :	SCHEDULE	UNTIL	PROCEDURE		1 1	LAST		INIT. RATE	FINAL RATE
California 178.14 X B/M 11/2000 AD 11/000 AD 11/2017 AD 11/000 AD 11/2017 AD 11/2	405 START	11/99											
1132-00 1512-50 X B/M 11/2017 M0 10/2019 M10. 995 91.10 1145-50 M10. 995 91.10 1145-50 M10. 995 91.10 1145-50 M10. 995 91.10 1145-50 M10. 995 91.10 1145-50 M10. 995 91.10 1145-50 M10. 995 91.10 91.10 91.10 91.10 91.10 91.10 91.10 91.10 91.10 91.10 91.10 91.10 91.10 91.10 91.10 91.10 91.1		478 14		₹	12/2000	Š	#/n 995	8 1	E 2 627	11/00	0	10	2
STANCIS 1.01 1/2		1125.40		3 3	11/2017	A A	H/0.995	31.10	124.545	10/17	31.10	1125.	153.
WIRK/OIL .87 .87 U/B 12/2000 AD LIN TIME 11/05 STRRET 01/94 100 LIPE LIN TIME 11/05 PRI/OIL 16.8800 X 5/B 1/95 MM/YY PC .00 11/35 16.880 1 PRI/OIL 16.890 X 5/B 1/95 AD PC .00 11/35 18.390 1 PRI/OIL 16.890 X 5/B 1/95 AD PC .00 11/35 18.390 1 11.43 X 5/B 1/95 AD PC .00 11/35 18.390 1 12.20 X 5/B 1/200 AD PC .00 12/99 19.200 12.20 X 5/B 1/200 AD PC .00 12/90 20.20 12.20 X 5/B 1/200 AD PC .00 12/92 20.20 12.20 X 5/B		1.80	01	/в	01/2097	Αb	DO1	TIME		12/96			
STRAFT 01/94 1/35		. 87		B	12/2000	AD .	LIN			11/00			
STRREY 01/94		3.55		В/	TO,	LIFE	LIN	TIME		11/35			
PRI/OIL 16.9800 X \$/B 1/95 MA/YY PC .00 .011/35 .06.890 .00	440 START	01/94											
19.39 X 5/8 1/97 AD PC .00 11/35 22.260 20.74 20		16.8800		/в	1/95	AA/WW	PC	. 00		11/35		16.880	œ
	517 "	18.39		/B	1/96	AD	ЪС	. 00		11/35		18.390	18.390
11.4 X S/B 1/290 All PC .000 12/95 .000	219 *	20.74		a a	1/98	AD AD	2 2	. 00		11/35		22.260	22.260
19.25 X		14.43		/B	1/99	AD	PC	. 00		12/98		14.430	14.430
		19.25		B	1/2000	AD	P. P.	. 00		12/99	,	19.250	19.250
		20.67		g g	1/2001	אַ נאַ כאַ	ט טייל			12/01		24.940	24.940
18.18 X 5/8 1/204 AD PC .00 11/35 18.10 18		19.20		В/	1/2003	AD T	PC	.00		12/02		19.200	19.200
PRI/GAS 1.8900 X \$/M 11/95 MM/YY PC .00 11/35 1.890 1.890 1.891 1.890 1.945 X \$/M 11/95 ADD PC .00 11/95 1.990 1.990 1.990 1.990 1.995 1.990 1.990 1.995 1.990 1.990 2.00 11/95 2.610 2.798 2.798 2.794 1.7200 AD PC .000 11.299 2.510 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.500 2.5		18.18		/в В	1/2004 TO	AD	5 5 7	. 00		$\frac{12}{03}$		18.180 18.130	18.180 18.130
1.94 X \$/M 1/96 AD PC .00 12/95 .1940 .259 X \$/M 1/97 AD PC .00 .0		1.8900		3	1/95	YY/MM	P.	. 00		71/75		1 890	7 890
		1.94		×	1/96	AD U	PC	. 00		12/95		1.940	1.940
		2.61		3 3	1/97	A A	ያ አ	. 00		12/96		2.610	2.610
		2.11		X	1/99	B	ප ද	.00		12/98		2.110	2.110
		2.27		3	1/2000	Ą	PC	. 00		12/99		2.270	2.270
		2.60		X	1/2001	8	PC	. 00		12/00		2.600	2.600
PRI/WIT .5000 .5000 \$/U 1/2000 AD EC .00 12/93 .5000 .5000 .5000 .5000 .5000 .5000 .5000 .5000 .5000 .5000 .5000 .5000 .5000 .1 OPC/T 1600.000 X \$/M TO LIFE SCH OPC .11/35 .135 .600 .0000 .1000 .0000 .0000 .11/35 .0000 .		2.57		X 3	TO TO	LIFE	אַכ	. 00		11/35		2.570	2.580
OPC/T 1600.00 X \$/M TO LIFE SCH OPC 11/35 1600.000 1600.000 1600.000 1600.000 1600.000 1600.000 1600.000 1600.000 1600.000 1600.000 1600.000 1600.0000 1600.0000 1600.000 1600.000 1600.0		.5000		ਜ਼ੇ ਕੇ	1/2000	AD RRT.T	Š, Š	. 00		12/93		. 500	.500
STX/OIL 7.08 STX/GAS X \$ TO LIFE PC PC .00 11/35 .071 .071 ATX .17 X \$ TO LIFE PC PC .00 11/35 .079 PRI/OIL P	50	1600.00		X	TO	LIFE	SCH	OPC		11/35		1600.000	1600.000
ATX .17 X * TO LIFE PC .00 11/35 .002 PRI/OIL9100 \$/B TO LIFE PC .00 11/35 .002 PRI/GAS13001300 \$/M TO LIFE PC .00 11/35130 2 LSE/WI 100.0000 D * TO LIFE FLAT .00 11/35 1.000 1 LSE/RIC 12.5000 D * TO LIFE FLAT .00 11/35 1.000 1		7.08			o d	LIFE	S S	. 00		11/35		.071	.071
PRI/OIL PRI/OIL		.17			TO	LIFE	24	. 00		11/35		. 002	. 002
LSE/WI 100.0000 D % TO LIFE FLAT .00 11/35 1.000 OWN/WI 100.0000 D % TO LIFE FLAT .00 11/35 1.000 LSE/RIC 12.5000 D % TO LIFE FLAT .00 11/35 1.000	570 PRI/OIL	9100		æ/	17	LIFE	PC	. 00		11/35		910	18.130
LSE/WI 100.0000 D % TO LIFE FLAT .00 11/35 1.000 1. CWN/WI 100.0000 D % TO LIFE FLAT .00 11/35 1.000 1. LSE/RIC 12.5000 D % TO LIFE FLAT .00 11/35 .125 .			1	•	;	1	į			,		. + 00	
OWN/WI 100.0000 D \$ TO LIFE FLAT .00 11/35 1.000 1. LSE/RIC 12.5000 D \$ TO LIFE FLAT .00 11/35 .125 .		100.0000	U		ю	LIFE	FLAT	. 00		11/35		1.000	1.000
LSE/RIC 12.5000 D \$ TO LIFE FLAT .00 11/35 .125	10	100.0000	ب		To	LIFE	FLAT	. 00		11/35		1.000	1.000
		12.5000			TO	LIFE	FLAT	. 00		11/35		.125	. 125

PROJECT ASSUMPTIONS BASE DATE : 1/9 P.W. DATE : 1/9 REPORT DATE : 1/9	201 LOSS N 205 CUMO, MB 210 LOSS N	RESERVE PARAMETERS	800 DRILL 801 WORKOVER 802 SALVAGE	INVESTMENT	905 LOAD 1 910 LOAD 1 915 LOAD 1	OVERLAYS	761 OWN/ORR	740 LSE/RIG 760 LSE/ORR	721 OWN/RI
MPTIONS : 1/94 : 1/94 : 1/94	NO 46.68	METERS	240.00	TANGIBLES & INTANGIBLES	P.OIL OIL # P.GAS GAS # P.WATER WTR	SCHEDULING RATES	.0000	12.5000	.0000
TIME FRAI PW %-AGE PROD QUAI			330.00	ENI 3	#	3 RATE	U	ם ם	Ð
- 4ES	CUMG, MMF	ITEM	00 M\$G	ANGIBLES		is:	*	ee ee	**
1*12 38*12 1*600 10.0 DISC	89.	; ; ; ; ; ;	01/94 AD 12/2000 AD TO LIF	TIME		SCHEDULE UNTIL	To	70	To
<i>7</i> 0 ⋅	0		AD AD LIFE			UNTIL	LIFE	LIFE	LIFE
FREQUENCY :	CUML, MB	ITEM	D.G.	PROCEDURE		PROCEDURE	FLAT	FLAT	FLAT
365. CD		; ; ;	. 00				.00	. 00	. 00
OTI			570.000 65.000 -24.000	TOTAL T&I	47.142 90.277 47.215	ULTIMATE			
OTHER QUAL :			1/94 12/ 0 11/35	HTNOM	2/00 2/00 2/00 2/00	LAST	11/35	11/35 11/35	11/35
G 				RISK INV.		EFF. DECL			
			570.0 65.0 -24.0	RISK INV. TOT. TEIER		INIT. RATE		.125	
			570.0 65.0 -24.0	ESC. Teler		FINAL RATE		. 125	

RESERVES AND ECONOMICS EFFECTIVE DATE: 1/94

PRESENT WORTH @ 10.00 &	ECONOMICS, M\$ 19) GROSS REV. TO INTR. 20) - SEV. TAX 22) - AD VALOREM TAX 23) - OPERATING COSTS 24) - SWD 25) - CAPITAL REPAYMENT 26) - INTEREST PAID 27) + NPI OWNED - PAID 28) = NET INCOME 29) - INVESTMENTS & RSK 30) = BFIT NET	WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	i -	INVESTMENTS, M\$ 3) BORROWED CAPITAL A) FOLITY INVESTMENTS	OWNERSHIP 1) WORKING INTEREST, % 2) REVENUE INTEREST, %	PERIOD ENDING
154.7 570.0 -415.3	206.4 14.9 .3 19.2 9.5 .0 .0 162.5 570.0	18.9 18.9	23.2 20.3 35.7	12.2 170.8 15.97	570 n	100.000	12/94
103.6 .0 103.6	154.8 11.2 19.2 19.2 3.8 0.0 120.3	7.6 7.6	19.0 16.6 30.1 1.810	8.2 7.1 124.7		100.000	12/95
107.4 .0 107.4 -204.4	172.4 12.5 .3 19.2 2.6 .0 .0 .137.8	5.1 5.1 .500	16.3 14.3 35.5 2.480	7.3 6.4 136.9 21.35		100.000 87.500	12/96
79.8 .0 79.8 -124.5	145.1 10.5 2 19.2 1.9 .0 .0 .0 .13.2	3.7 3.7	14.0 12.2 30.1 2.460	6.6 6.6 5.8 115.0	· • •	100.000	12/97
28.4 .0 28.4 -96.1	70.6 5.1 19.2 1.6 .0 .0 44.6	3.3	5.4 4.7 9.3 1.980	5.2 5.2 61.2 13.52	· • •	00	EFFECTIVE DATE: 2/97 12/98
54.9 .0 54.9	127.5 9.2 19.2 3.8 .0 .0 95.1	7.7 7.7 7.8	10.8 9.4 20.2	6.7 6.7 5.9 107.3		ōō	E: 1/94 12/99
62.3 32.6 29.7 ~11.5	151.4 10.9 19.2 19.2 1.8 0.0 1.8 55.0	22.7 22.7 .080	10.5 9.2 22.8 2.470	65.0 65.0 6.1 6.1 5.4 128.6 24.03	65.0	80	12/00
91.3 .0 91.3 79.8	232.8 16.8 19.2 3.2 .0 .0 193.2	39.7 39.7	18.4 16.1 39.5 2.450	.0 .0 11.2 9.8 193.3 19.76		000 500	12/01
56.1 .0 56.1 135.9	164.9 11.9 13.3 19.2 2.4 .0 .0 .131.1	30.3 30.3	13.3 11.6 28.4 2.440	.0 .0 8.5 7.5 136.5		000	12/02
36.9 .0 36.9 172.8	125.9 9.1 19.2 2.0 2.0 95.5 95.5	24.5 24.5	10.2 8.9 21.7 2.440	.0 .0 .0 6.9 6.9 104.2		100.000 87.500	12/03
775.4 602.6 172.8 172.8	1551.8 112.2 2.4 192.0 32.6 0 .0 .0 1212.6 635.0 577.6	163.5 163.5 .199	141.1 123.4 273.2 2.213	.0 635.0 78.9 69.1 1278.6 18.52	635.0	0.000 7.500	S TOT
109.5 -1.2 110.7 283.5	935.8 67.2 1.5 392.0 15.5 .0 .0 459.6 483.6	193.4 193.4	53.9 47.1 115.0 2.440	.0 -24.0 54.5 47.7 820.8 17.22	- 24 . 0	100.000	AFTER
884.9 601.4 283.5 283.5	2487.6 179.4 3.9 584.0 48.0 0 0 0 1672.2 611.0 1061.2	356.9 356.9	194.9 170.6 388.2 2.276	.0 611.0 113.4 116.7 2099.4 17.99	611.0	100.000 87.500	30.4 YR TOTAL

AFTER TAX ECONOMICS

PRESENT WORTH @ 10.00 %	REVENUE-SEV-WPT 191.5 143.6 159.9 134.5 65.5 118.3 140.5 216 - OPR. COSTS & ATX 29.0 23.3 22.0 21.3 20.9 23.2 21.3 22 + NPI OWNED - PAID .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	-201.8 61.5 95.9 83.3 23.1 73.7 32.8 6 CAP 0 0 0 0 0 35.0 35.0 35.0 35.0 35.0 35.0 35.0 35.0	CALCULATIONS, M\$ GROSS REV. TO INTR. 206.4 154.8 172.4 145.1 70.6 127.5 151.4 232 - SEVERANCE TAX 14.9 11.2 12.5 10.5 5.1 9.2 10.9 16 - WPT TAX NET .0 .0 .0 .0 .0 .0 .0 - OPR. COSTS & ATX 29.0 23.3 22.0 21.3 20.9 23.2 21.3 22 + NPI OWNED - PAID .0 .0 .0 .0 .0 .0 .0 - EXPENSED INV. 330.0 .0 .0 .0 .0 .0 .0 - DEPRECIATION 34.3 58.8 42.0 30.0 21.4 21.4 21.4 10	PERIOD ENDING 12/94 12/95 12/96 12/97 12/98 12/99 12/00 12/ TAX TREATMENT OF INVESTMENTS, M\$ 1) EXP. RISK & CAP INT 330.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
85.0 81.3	15 2 3 10		17 1	12/
59.3	134.5 21.3 29.1 84.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	83.3 83.3 35.0 .0 29.1	145.1 10.5 .0 21.3 .0	EFFECT 12/97
23.3	36.5 36.5 36.5 36.5	23.1 .0 .0 .0 .0 .0 .0 .0	70.6 5.1 .0 20.9 .0	12/98 .0 .0
40.0	118.3 23.2 25.8 69.3 .0 .0 .0 .0 .0 .0 .0	73.7 .0 .0 .73.7 35.0 .0 .0 .25.8	127.5 9.2 9.3 23.2 0	, p
56.3	140.5 21.3 .0 .0 11.5 107.8 .0 .0 107.8 65.0	32.8 .0 32.8 35.0 .0	151.4 10.9 10.3 21.3 .0 .0 65.0	12/00 65.0 .0
61.1	216.0 22.7 .0 63.9 129.3 .0 .0 129.3 .0	182.5 .0 .0 182.5 35.0 .0 .0	232.8 16.8 .0 .0 .0 .0 .0 .0	12/01
36.4	153.0 21.9 45.9 85.2 0 85.2 85.2	131.1 .0 .0 .0 131.1 35.0 .0 .0	164.9 11.9 1.0 21.9 .0	12/02
24.0	116.8 21.4 0 33.4 62.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		125.9 9.1 9.1 21.4 .0	12/03
688.6 602.6	1439.6 227.0 202.2 1010.4 .0 .0 .0 1010.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	577.6 .0 .0 577.6 35.0 .0 .0	1551.8 112.2 12.7.0 227.0 227.0 395.0	S TOT 395.0 240.0
- 7	868.6 408.9 160.9 298.7 298.7 -24.0 322.7	459.6 .0 459.6 35.0 .0	935.8 67.2 408.9 .0	AFTER
71.2		1037.2 .0 .0 1037.2 35.0 .0 .0 363.0		1.3

JRU #36 DELAWARE PREPARED BY: KENT ADAMS

DATE : 02/09/00
TIME : 10:28:02
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 10

ECONOMIC INDICATORS

AS OF DATE: 1/94

	1.26	DISCOUNTED NET/INVEST. 1.47
	2.14	UNDISCOUNTED NET/INVEST. 2.74
	7.58	DISCOUNTED PAYOUT, YRS. 7.13
	5.19	UNDISCOUNTED PAYOUT, YRS. 4.81
	17.4	RATE OF RETURN, PCT. 19.5
-398.044	-386.999	
-384.602	-372.969	
-368.618	-356.349	
-324.713	-311.080	50341.092 70 -369 201
-292.643	-278.406	-303
-247.940	-233.481	-248.
-179.961	-166.706	30163.763
-62.398	-56.077	2016.180
188.988	158.371	10. 283.519
277.342	226.546	8. 380.812
391.031	308.975	6. 499.135
461.028	356.885	5. 568.143
755.230	536.723	2. 827.908
1074.114	698.1174	0. 1061.191
		STATE OF PERSONS ACT DOWNER TUTTE
		PRESENT WORTH PROFILE AND
M\$	M\$	MS
BONUS	WORTH	WORTH
A.F.I.T.	A.F.I.T.	B.F.I.T.

	1527686	JAN
ftKB	Cement (0.0-625.0)	
500 -	Bore Hole: 625.0 (Size:14.750)	
1000 -	OD:11.750, Wt:42.00) Cement (0.0-3838.0)	
1500 -	Bore Hole: 3839.0 (Size:11.000)	
2000 -	Inter. Csg. (0.0-3839.0,	
2500 -		
3000 -	Prod. Cor. (0.0 6780.0	
3500 -	Prod. Csg. (0.0-6789.0, OD:5.500, Wt:15.50)	
4000 -	Bore Hole: 7820.0 (Size:7.875) ————————————————————————————————————	
4500 -	Certent (4200.0-7020.0)	
5000 -		
5500 -		
6000 -		
	David Halas 7000 0 (Sinas 7 076)	
	Bore Hole: 7820.0 (Size:7.875)	
6550 -		
6600 -		
eeen		
6650 -		
6700 -		
6750 -		
0750		
6800 -		
6850 -		
••		
6900 -		
6950 -		
7000 -		
7050 -		
7100 -		
7100-		2
7150 -		
7200 -		
, 200		
7250 -		
7300 -	Perf (7293.0-7305.0)	<u>₩</u>
7350 -		
7400 -	Actual perfs: 7445, 47, 62, 92,	制行目
7450	94, 96, 7501, 03, 07, 13, 91, 93. [Perf (7445.0-7593.0)	
7450 -	Prod. Csg. (6789.0-7818.0, OD:5.500, Wt:17.00)	
7500 -	J.J.300, FR. 17.00)	70 20
7550 -		N. C.
. 556		**************************************
7600 -		
7650 -		
		ă I
7700 -		
7750 -	FC (7734.0-7735.0, OD:5.500) ———————————————————————————————————	
	OD:4.516)	
7800 -	TD: 7820.0 —	
7850 -	1 = 1 1 = - 1 1	

ICH UNII										727/0
JAMES RANG										=
API No.			7686		Stat				ACT (
TD :			ftKB		Eng	inee	<u> </u>		KA	<u>4</u> .
PBTD		34.U BEP(ftKB		Per	mit				
Operator Well No.									11/26	īna
ID Code		36			Spu RR	<u></u>			11/26 12/12	
Field	QUAH	ΔΩΔ	RIDG			nplet	ion		1/23/	
rield			DEL)	∟,	COI	npiet	ion		11231	J 4
Author		RA:			lae	t Act.				
Date Updated	1	2/29				ndor				-
Comments			Enron		7 100	11401				
Location		<u>~</u>								
Township		SI	023		Ton	Latit	ude			0
ТОТПОПІР							gitude	Α		Ŏ
Range		E	030		Top	NS	Dista	nce		.0 ft N
					Тор	EW	Dista	ince		.0 ft E
Section	:		1				atitu			0
Unit Ltr.			G				.ongi			0
State	NE		MEXIC				Dista		0.0) ft
County		E	DDY	:	Btm	EW	Dista	ence	0.0) ft
Elevations										
KB			9.6 ft			Fing				0 ft
Grd			2.9 ft		Tub	Hea	d		0.	O ft
KB-Grd			.7 ft							
Casing String	g - Suri	ace	Casi							
ltem			Btm	Jn	ts	ΙD)	Wt	Grd	Thd
(in)			(ftKB)							<u> </u>
11 3/4 in Surf.	(0.0	625.0	i	13	11.	080	42.00	H-40	STC
Csg.				<u> </u>						·
Casing String										·
Item	; To		Btm	Jn	ts	ID) :	Wt	Grd	Thd
(in)			(ftKB)	!						
8 5/8 in Inter.	(0.013	3839.0		88	7.	920	32.00	K-55	STC
Csg.				<u> </u>						·
Casing String					_					
ltem			Btm	Jni	ts ;	ID) ;	Wt	Grd	Thd
(in)			(ftKB)		: ٠			45.50	1.55	<u> </u>
5 1/2 in Prod.	(J.U (6	3789.0	1	65	4.	950	15.50	J-55	LTC
Csg. 5 1/2 in Prod.	6780	20 7	7818.0	 	25		890	17.00	J-55	LTC
Csg.	0708	J.U /	010.0		25	₹.	030	17.00	J -JJ	LIC
5 1/2 in FC	7734	40.7	7735.0			0	000	0.00		
Casing Ceme		1.0	1,00.0	i			-	0.00		
Casing Stri		т	ор	Λm	noui	nt		Con	nments	
Casing Stri	''9		KB)		sx)			0011	mienta	•
Surface Casing		- Circ	0.0			25				
Intermediate Ca			0.0			90				
Production Cas		4	200.0				OC I	y temp	sur.	
Tubing String										
Item	To		Btm		Jnts		ID	Wt	Gro	Thd
(in)		(B)			•		(in)		•	
2 7/8 in Tbg		0.0		1.6	23		2.411	6.50	J-55	5 8rd
4 57/64 in TAC	728	33.9					0.000			
2 7/8 in SN		39.6					0.000			
2 7/8 in PS		90.7				_	0.000			
2 7/8 in Tbg		93.8					2.411			5 8rd
2 7/8 in Purge		25.0					0.000	0.0	0	1
Valve	1]							1
	equin	., et	c.) - P	lug	Ba	ck				
	, cquip.		lte						Int	
	, equip								(ftKE	3)
Other (plugs,	, equip							77	34.0 - 7	
Other (plugs, Date	Cement	Plug	9							
Other (plugs, Date 12/12/93		Plug	9							
Other (plugs, Date 12/12/93		Pluç	g Int	 				Shots	Stat	tus
Other (plugs, Date 12/12/93 Perforations		Plug					;		Stat	tus
Other (plugs, Date 12/12/93 Perforations			Int		3.0		:	Shots (/ft)	Stat	tus
Other (plugs, Date 12/12/93 Perforations Date		74		7593				Shots (/ft)		
Other (plugs, Date 12/12/93 Perforations Date 12/30/93 1/5/94	Cement	74 72	Int 45.0 - 93.0 -	7593				Shots (/ft)	.1	
Other (plugs, Date 12/12/93 Perforations Date 12/30/93 1/5/94 Stimulations	Cement	74 72	Int 45.0 - 93.0 -	7593 7305		Fi	uid	Shots (/ft)	.1 .0 Sqz	
Other (plugs, Date 12/12/93 Perforations Date 12/30/93 1/5/94	Cement	74 72 itme	Int 45.0 - 93.0 -	7593 7305 al	5.0	Fi		Shots (/ft) 0	.1 .0 Sqz	d

WELL HISTORY

WELL NAME:

James Ranch Unit #36

FIELD NAME:

Quahada Ridge, S.E.

LOCATION:

1980' FNL & 1860' FEL, Sec 1, T23S, R30E, Unit G

Eddy County, New Mexico

ELEV:

3292.9' GL, 3309.6' KB

SPUD DATE:

11/26/93, RR 12/12/93

COMP DATE:

1/23/94

ORIG TD:

7820**′**

ORIG PBTD:

7734'

CASING:

11 ¾' 42# H-40 CSA 625' w/425 sx, cmt circ, 14 ¾" hole. 8 5/8" 32#, K-55, CSA 3839' w/1290 sx, cmt circ, 11' hole. 5 ½ 15.5 & 17#, J-55, CSA 7818' w/845 sx, TOC 4200'(TS).

TUBING:

2 7/8", 6.5# J-55, 8 RD

DST:

None

CORES & LOGS:

Sidewall cores (26): 6190, 96, 6201, 08, 18, 6312, 14, 18, 7284', 90, 7302, 08, 58, 62, 7418, 20, 42, 46, 48, 62, 64, 94, 96, 7502, 06, 92, 94.

Dual LaterLog/Micro SFL 3833-7821'

Spectral Density Dual Spaced Neutron Log 0-7676'.

INITIAL COMPLETION

12/30/93 to 1/23/94

INITIAL COMPLETION

12/30/93

TD 7820', PBTD 7734'.Ran CCL/GR log. Perf: 7445, 7447, 7462, 7492, 7494, 7496, 7501, 7503, 7505, 7507, 7513, 7591, 7593', total 13 holes. Breakdown fm @ 1800 psi. Pumped 3500 gals 7 1/2% NEFE HCL + 26 BS, ball out. Avg TP 2800 psi @ 5 BPM. Flowback and swab well. Well kicked off & flowed 10 bbls oil in 1 hr., no water. Kill well, set RBP @ 7360'.

1/5/94

Perf: 7293-7305', total 13 holes. Set pkr @ 7160'. Breakdown fm @ 2200 psi. Pumped 3500 gal 7 1/2% NEFE HCL w/26 BS, ball out. ISIP 800, 15 min 800 psi. Swabbed well, zone wet. Set RBP @ 7360' w/2sx frac sand on top. PU & set cmt ret @ 7220'. Squeezed perfs 7293-7305 w/175 sxs cmt. Drill out cmt 7222-7310'. Circ on RBP @ 7360'. Test csg to 1000 psi, OK. Retreive RBP. Frac treated 7445-7593' w/23,500 gals 35# XL borate and 56,000# 20/40 brown sand + 20,000# 16/30 RCS. Flowback and swabbed well, all load recovered. Place

well on pump.

IP: 1/24/94 24 hr P 33 BO, 0 MCFG, 275 BW.

7/14/98 Run BH pressure buildup.

The same of the sa

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD. Artesia, NM 68210

)|STRICT | |-0. E 160, Hebbs, MM 68240

WELL LOCATION AND ACREAGE DEDICATION PLAT

NSTRICT III 1000 Rio Brazos Rd., Aztas, NW 57410

All Distances must be from the outer boundaries of the section

perstor	ENRON OIL AND GAS COL	MPANY	JAMES RANCH UNIT	Tell No.
Init Letter	Section Township	Reage		County
G		HTUOZ	30 EAST NMPH	EDDY
	Acation of Weil:			-
1980 r		and 1860	feet from	the EAST Une
3292.9		[· · · · ·		
	Bone Soring/Dela acreage dedicated to the subject		signated	L 40 Acres
		•		a as to working interest and royalty).
	in one lease of different ownershi	p is dedicated to the well, h	ave the interest of all owner	s been consolidated by communitization.
Yes		r is "yes" type of consolidat	ion	
	do list of owners and tract desc	•		verse side of
				nitization, unitization, forced-pooling,
Jule 1997				OPERATOR CERTIFICATION
		†		[hereby certify the the information
	!		1	contained herein is true and complete to the best of my knowledge and beltef.
]			Signature
		-,086		Bott dilater
	į	6-1	i	Betty Gildon
 	+		+	Position
				Regulatory Analyst
	 	3286.9°3295.2	!* !	Enron Oil & Gas Company
) 	Ċ 	1860.	Date 6/3/93
	i	3290.3* 3292.0		
	!			SURVEYOR CERTIFICATION
}				I hereby certify that the well location shown on this plat was platted from field notes of
İ	1			actual surveys made by me or under my
-	İ	and managed		supervison, and that the some is true and correct to the best of my knowledge and
	i			belief.
	!		1	Date Surveyed MAY 27, 1993
L	 		<u> </u>	Signature & Seal of
				Professional Surveyor
	•			GARY C. JONIES
				NEW DOOR DEED TO THE STATE OF T
				Certificate No. OFMIN WEST 876
330 660	990 1320 1650 1980 2310	2840 2000 1500	1000 500 0	93

		34 CH - 4
(·	۱::	1992)

UNITLD STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

(New netter in-stranguous on reverse sole)

Ez	FORM APPROVED IMB NO. 1004-0137 ires: February 28, 1995	10
I-EASE	OR JAISSE ONA MUITAKUISSO	-
	NM 02884-B	
IF 1HD	AN. ALLOTTER OR TRIBE HAM!	ī

WELL CO	OMPLETIO	N OR REC	OMPLE	ПОН	REPORT	AN	D LO	G*	d. IP INDE	AM. ALLO	PITTE OR TRIBE HAM	4.6
IL TYPE OF WI	304.	WELL X WE		DRT [Other				T. UNIT AC	ZEZMEX	T HAMS	-
A TYPE OF CO		מאארי ריין דע.		· P#. 🗀	* :							
*** Li	00.88	UKKL. DY	rk L RE	nva. 📙	Other				S. PARM	OR LEA	ase name, well h	10.
Enron Oil											h Unit #36	
J. ADDRESS AN									9. ATT WE			
P. O. Box			s 7.9702						30 015	2768	6 OR WILDON	-
4. IACATION OF W				e with e	sy diate requi	Fem en	E#) *		- lind B	ממר	oring/Delawa	
	NL & 1860								II. BEC. T	R., M.,	OR BLOCK AND SURVE	11
	NL & 1860								Unit G	, Sec	1, T23S, R3	30E
1980' F	NL & 1860	' FEL	14. P	ERMIT NO			20-93		12. COUNTY PARISH Eddy	OR	13. STATE	-
S. DATE SPEDOSO	IG. DATE T.D.	REACHED 17.	DATE COMPL	(Reedy	(e prod.) 18	. ELE	VATIONE (P, IK	B. RT. GR. ETC.)*	19.	SLEV. CASINGMEAD	-
11-26-93	12-11-	-93	1-21-	-94		329	2.9' G	R		32	92.9'	
28. TOTAL DEPTH. MS	A 170 21. 9	LUG. MACK T.D., M	3 4 TVB 2	2. IF UTT	TIPLE COMPL	•	23. INT	11444			CABLE TOOLS	-
7820		7734	<u> </u>				<u> </u>		X			_
14. PRODUCING INTE	ERVAC(E), OF TH	IR COMPLETION-	-tor, sotiom	, HAME (NO 740 140}-					- 2	S. WAS DIRECTIONAL	1
7797_77	05 (Bone	Saminal							<u>.</u>		No	
6. TIPE ELECTRIC										1 27. ×	ARTT COURS	-
DLL-MSFL RS	CT. SDL-DS	SN RSCT									Yes	
3.	,		ARING RECO	ORD (Res	port all strange	* *e£ 6	n well)					_
CAMPO NZE/GRADE	WEIGHT, L	וודעם ן פעל	SET (MB)	110	CE EISE		rop of CE	MENT.	CEMBRITHG RECO	to	AMOUNT PULLED	_
1-3/4	42# H-	-40 6	25	14	-3/4	42	5 sx C	1 0	CIRCULATI			_
3-5/8	32# K-		بريان في مساني ا	11		10	90 PSL	& 2	200 CI C	CIRC	ULATED	_
5-1/2	17# J-55	& 15.50#		<u> </u>		<u> </u>		<u> </u>				- , ,
		1 78		1 7	-7/8	420		∁ &	425 C1 H	,	Temp Survey	<u>r</u> 42
) .		LINER RECO			1		30.		TUBING REG		PACKER SET (MD)	-
4152	107 (MS)	BOTTOM (ND) SACES C	EMENT"	JCREEN (MI		2 7/0	,	DEFTH SET (MDI	ATCENT OF (TO)	-
 }-		-					2-7/8	-	7426			-
l. PERFORATION IS	COEP (Interval.		',		1 32.	AG	ID. SHOT	FRA	CTURE, CEME	T SOU	EXEL ETC.	-
					סברית והי				M GNA TRUONA			-
	(.40" 13)				7293-	7305	5				XL borace &	→
7445-7493	(.40" 13)	•						7	76,000# of	20/	4() brown_san	<u> </u>
		•			7445-	749:	3	sq	with 175	sx C	1 H	_
												-
3.* LTB FIRST PRODUCT		BUCTION METHOD	(Slavence a		DI'CTION				1		= (Producing or	-
1-22-94	P	umping	(2-1/2"	x 1-	$3/4" \times 2$		RHBC)		e.h	(→ K)	Producing	
LTS OF TRAT	HOURS TESTER	CHOES AS		PERIOD	33		GAR110	re. O	*ATER—61	·	CAR-GIL RATIO	
1-24-94	24	URE CALCULAT	ED 011		[33 GAS	464	!		2-484	1 011 9	RAFITT-AFT (CORE.)	_
	260	24-HOUR					Į			1	0.0	
. DIEFORTHOW OF G	·	or fuel, vented, e	(c.)						TEST WITH			-
N/A											je.	_
LUST OF ATTACE	MERTE	. <u> </u>									:	
Logs												_
I. I. bereon certify	that the forego	tog and attache	information					ed (10	m all available		05/0/	
SIGNED	ter Lis) <u>((((() () () () () () () (</u>	·	RE _	egulator	y Ar	ialyst		DAT	<u> 1/</u>	25/94	_
1 46	FF 91100	88										-

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

Citte 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.

XC: MANGAN CIARK, MECREICHT WHIFE TEER

ь.	TRUE VERT. DEPTH						
TOP							·
	HEAS, DEPTH	500 3617 3867 4960	7670				· · · · · · · · · · · · · · · · · · ·
		t. anvon	guj				
	NAN	Salado Base Salt Delaware Cherry Canyon	Bone Spring			- 	
	1						<u> </u>
		,					
£TC.						·	
NTENTS,		omite		•	•		
DESCRIPTION, CONTENTS, ETC.		k Anhy Limestone, Dolomite cone Shale		•	- · · · · · · · · · · · · · · · · · · ·	- · .	
ESCRIPT	Rock	hy estone 1e	Limestone one, Shale				
	ace	Salt & Anhy Anhy, Limes Limestone Sand, Shale	.				
	Surf	Salt & Anhy, Limest Sand,	Sand Sand Limes			·	
3			e.				
воттом	625	3305 3835 4315 5080	7265 7820			14. 14.	
				- · · · · · ·	· · ·		
TOP	0	625 3305 3835 4315 5080	5900 7265	· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • •	**************************************	
		· .					 .
FORHATION.		anyo	Spring		•• ••••	a	ž.
5		Delaware Cherry C	F . Sp	•			

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

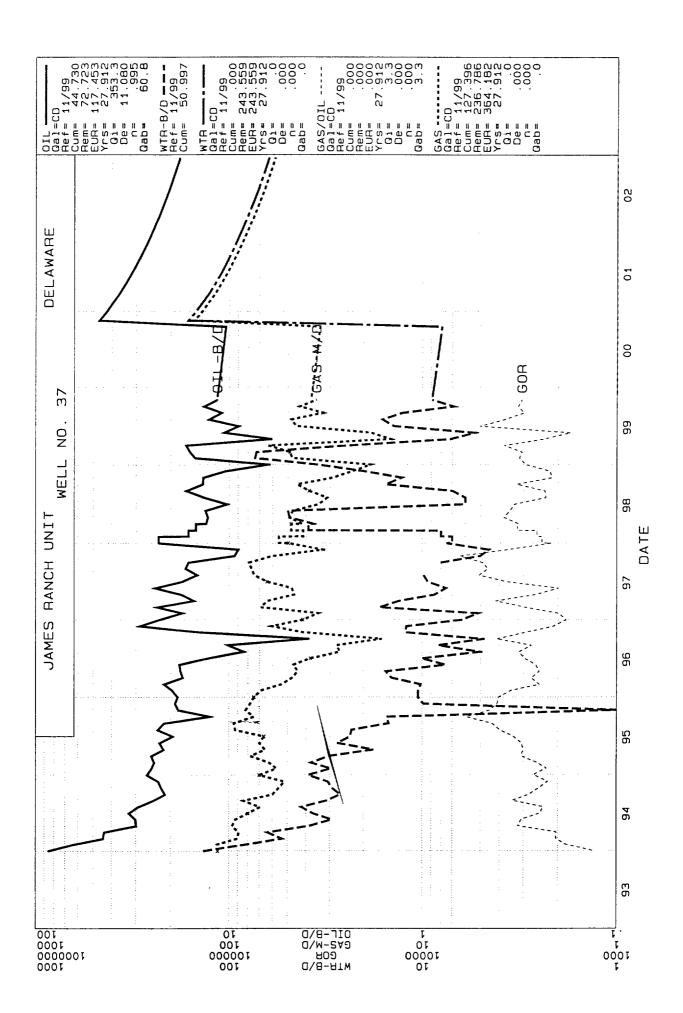
WELL DATA

WELL JA	MES RANCH UNIT # 37 FC	PRMATIC	DELAWARE
LOCATIONI	UNIT, 1980 FEET FROM SOUTH LIN	NE &660	EET FROM <u>EAST</u> LINE
SECTION 36 TOWNSHIP	225 , RANGE 30E , COUNTY	EDDY	, NEW MEXICO
SPUD DATE 10/23/93	COMPLETION DATE 12/9/93 IN	ITIAL PRODUCTION _	12/9/93
PERFORATIONS <u>7529', 30', 3</u>	1', 32', 33', 34', 35', 36', 37', 38', 39', 40', 7652	2', 54', 56', 58', 60'	
STIMULATION:	garage and the second s		
ACID			
FRACTURE	7529-7660', 41,000 GALS VIKING 135D + 120,	000#, 20/40 BROWN SA	AND + 20,000# RCS
			
OTENTIAL 11-22-03 100 ROPD 244	4 BWPD, 563 MCFD		
OTENTIAL 11-22-73 177 BOID, 24-	1 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
(Attach Copy of C-105. Attach Copy of W		-	
•			
·	/ellbore Sketch of Completed Well.)		
·	/ellbore Sketch of Completed Well.)	ION	RFORATED BUT
Attach Copy of C-105. Attach Copy of W	Vellbore Sketch of Completed Well.) VOLUMETRIC CALCULATI	I ON SANDS NOT PE	RFORATED BUT
Attach Copy of C-105. Attach Copy of W	VOLUMETRIC CALCULATI SANDS PERFORATED	SANDS NOT PE POTENTIALLY	RFORATED BUT
Attach Copy of C-105. Attach Copy of Wattach C	VOLUMETRIC CALCULATI SANDS PERFORATED	SANDS NOT PE POTENTIALLY 40	RFORATED BUT
Attach Copy of C-105. Attach Copy of Water saturation (Sw), %	VOLUMETRIC CALCULATI SANDS PERFORATED 40 12.0%	SANDS NOT PE POTENTIALLY 40 15.0%	RFORATED BUT
Attach Copy of C-105. Attach Copy of Water saturation (Sw), % Net Thickness (h), ft.	VOLUMETRIC CALCULATI SANDS PERFORATED 40 12.0% 60%	SANDS NOT PE POTENTIALLY 40 15.0% 63%	RFORATED BUT
Attach Copy of C-105. Attach Copy of Water saturation (Sw), % Net Thickness (h), ft. Temperature (T), Fahrenheit	VOLUMETRIC CALCULATI SANDS PERFORATED 40 12.0% 60%	SANDS NOT PE POTENTIALLY 40 15.0% 63% 21	RFORATED BUT
Attach Copy of C-105. Attach Copy of Water saturation (Sw), % Net Thickness (h), ft. Temperature (T), Fahrenheit Bottom Hole pressure (P), psia	VOLUMETRIC CALCULATI SANDS PERFORATED 40 12.0% 60% 120	SANDS NOT PE POTENTIALLY 40 15.0% 63% 21 120	RFORATED BUT
•	VOLUMETRIC CALCULATI SANDS PERFORATED 40 12.0% 60%	SANDS NOT PE POTENTIALLY 40 15.0% 63% 21 120 3,165	RFORATED BUT
Area (A) proration unit size, acres Porosity (por), % Water saturation (Sw), % Net Thickness (h), ft. Femperature (T), Fahrenheit Bottom Hole pressure (P), psia Recovery factor (RF), %	VOLUMETRIC CALCULATI VOLUMETRIC CALCULATI SANDS PERFORATED 40 12.0% 60%	SANDS NOT PE POTENTIALLY 40 15.0% 63% 21 120 3,165 10%	RFORATED BUT

PERFORMANCE DATA

CUMULATIVE PRODUCTION TO	8EHIND PIPE 450 60 54.30% 21000
PRODUCING INITIAL RATE (qi) 353 ECONOMIC LIMIT (qi) 60 DECLINE RATE, dy (Hyperbolic, n = .995) 11.08% REMAINING OIL (Q) = 46270 ULTIMATE RECOVERABLE OIL 112000 (Attach plat showing proration unit and participating area.) ECONOMIC WELL COST \$\$ 570,000 (to the depth of formation completed) RECOMPLETION COST \$ 65,000 (11/2000) TOTAL COST \$ 635,000 YEAR GROSS OIL REVENUE OPERATING COST CASH FLOW ZERO 0 0 0 0 -570,000 1 2,700 42,600 6,900 35,600	450 60 54.30%
ECONOMIC LIMIT (qI) 60 DECLINE RATE, dy (Hyperbolic, n = .995) 11.08% REMAINING OIL (Q) = 46270 ULTIMATE RECOVERABLE OIL 112000 (Attach plat showing proration unit and participating area.) ECONOMIC WELL COST \$\$ 570,000 (to the depth of formation completed) RECOMPLETION COST \$ 65,000 (11/2000) TOTAL COST \$ GROSS OIL REVENUE OPERATING COST CASH FLOW ZERO 0 0 0 0 -570,000 1 2,700 42,600 6,900 35,600	450 60 54.30%
ECONOMIC LIMIT (ql) 60 DECLINE RATE, dy (Hyperbolic, n = .995) 11.08% REMAINING OIL (Q) = 46270 LILTIMATE RECOVERABLE OIL 112000 (Attach plat showing proration unit and participating area.) ECONOMIC WELL COST \$\$ 570,000 (to the depth of formation completed) RECOMPLETION COST \$ 65,000 (11/2000) TOTAL COST \$ 635,000 YEAR GROSS OIL REVENUE OPERATING COST CASH FLOW ZERO 0 0 0 -570,000 1 2,700 42,600 6,900 35,600	60 54.30%
DECLINE RATE, dy (Hyperbolic, n = .995)	54.30%
Activity Activity	
	21000
ECONOMIC	
VELL COST \$\$ 570,000	
NELL COST \$	
WELL COST \$ 570,000 (to the depth of formation completed) RECOMPLETION COST \$ 65,000 (11/2000) TOTAL COST \$ 635,000 YEAR GROSS OIL REVENUE OPERATING COST CASH FLOW ZERO 0 0 0 0 -570,000 1 2,700 42,600 6,900 35,600	
WELL COST \$\$	
COTAL COST \$	
COTAL COST \$	
YEAR GROSS OIL REVENUE OPERATING COST 10% NET BFIT DISCOUNTED CASH FLOW ZERO 0 0 0 -570,000 1 2,700 42,600 6,900 35,600	
YEAR GROSS OIL REVENUE OPERATING COST CASH FLOW ZERO 0 0 0 -570,000 1 2,700 42,600 6,900 35,600	
YEAR GROSS OIL REVENUE OPERATING COST CASH FLOW ZERO 0 0 -570,000 1 2,700 42,600 6,900 35,600	
ZERO 0 0 -570,000 1 2,700 42,600 6,900 35,600	
1 2,700 42,600 6,900 35,600	
3 7,700 160,400 34,800 107,300	
4 5,900 144,700 31,700 87,300	
5 6,200 153,300 32,000 84,700	
6 5,700 95,400 30,400 41,200	
7 4,300 93,300 30,700 35,800	
8 <u>- 6,100</u> <u>172,000</u> <u>32,800</u> <u>72,100</u>	
10 7,700 175,900 24,500 60,000 REMAINDER 42,100 927,100 454,200 130,100	

WELL IS COMMERCIAL



INPUT DATA CALCULATED DATA

700 LSE/WI	570 PRI/OIL 575 PRI/GAS	565 ATX	555 STX/OIL 560 STX/GAS	550 OPC/T	544 PRI/WTR 545 "	537 * 538 * 539 *	535 "		531 PRI/GAS 532 "	526 "	525 *	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	522 "	521 "	520 "	519	518 :	516 PRI/OIL	450 START		440 WTR/OIL	435 START	430 GAS/OIL	425 START	420 *	410 OIL	405 START		ITEM	
100.0000	9100 1300	.17	7.08 7.93	1600.00	.5000	2.60 2.58 2.57	2.11 2.27	2.59	1.8900	18.13	18.18	20.67	24.94	19.25	14.43	20.74	22 26	16.8800	12/93	3.50	. 77	11/99	3.26	11/99	94.24	353.32	11/99	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SCHEDULING RATES	
ם	9100 1300	×	××	×	.5000 X	×××	××	×	< × ×	×	× >	< ×	×	×	×	× >	× ×	: ×		3.50	×		3.26		××	< ×			RATES	: !
æ	\$/B	*	op up	N/S	\$/U \$/U	K/K K/S	S/X	\$\ \$\ \$\ \$\ \$\	N W X	\$/B	S/B	8/8 8/\$	\$/B	\$/B	\$/8	B (2)	E 0	\$/B			U/B		M/B		B/M	B/M		1		HZ
ТО	70 00	70	70	To	1/2000 TO		8	1/98			1/2004			00		1/98					11/2000 /		06/2031 <i>‡</i>		7.82	11/2000 #		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SCHEDULE UNTIL	PUT DA
SAIT	LIFE	LIFE	LIFE	LIFE	AD LIFE	AD AD LIFE	8 8	8 8	¥¥/¥¥	LIFE	8	8 8	ď	AD	8	A d	an P	XX/WW		LIFE	AD		AD		DWI	8 8		-	MTIL	TA
FLAT	PC PC	PC	PC PC	SCH	PC C	5 5 5 S	р О	ט ק	8 8 8	РC	PC FC	מי	PC PC	PC	Ď	מ מ	ָרָל מַיּ	PC		LIN	EXP		LIN		EXP	H/0.995		1 1 1 1 1 1	PROCEDURE	; ; ; ;
.00	00	.00	. 00	OPC	. 00	00	. 00	. 00		.00		. 00	.00	. 00	. 00	. 00	. 00	. 00		TIME	1.18		TIME		5.00	11.08		1		! ! ! !
																									117.453	48.739		1 1 1 1 1	ULTIMATE	; ; ; ; ; ;
9/27	9/27 9/27	9/27	9/27 9/27	9/27	11/93 12/95	12/00 12/01 9/27	12/98 12/99	12/97	9/27 12/95	9/27	12/03	12/01	12/00	12/99	12/98	12/97	9/2/	9/27		9/27	10/00		5/31		9/27	10/00		1	LAST	CAL
									·												1 18				5.00	11.08		1 1 1 1		CULATE
1.000	910 130	.002	.071	1600.000	.500	2.600 2.580 2.570	2.110 2.270	2.590	1.890 1.940	18.130	18.180	20.670	24.940	19.250	14.430	20.740	22 260	16.880			. 768				94.	353.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	INIT. RATE	DDAT
1.000	18.130 2.570	.002	.071	1600.000	.500 1.940	2.600 2.580 2.570	2.110 2.270	2.590	1.890 1.940	18.130	18.180	19 200	24.940	19.250	14.430	20.740	22 260 22 281	16.880			.759				61.	316.		1 1 1 1	FINAL RATE	A

PROJECT ASSUMPTIONS	201 LOSS 1 205 CUMO, MB 210 LOSS 1	RESERVE PARAMETERS	800 DRILL 801 WORKOVER 802 SALVAGE	INVESTMENT	905 LOAD 910 LOAD 915 LOAD	OVERLAYS	761 OWN/ORR	740 LSE/RIG 760 LSE/ORR	721 OWN/RI	720 LSE/RIC	701 OWN/WI
MPTIONS : 12/93 : 12/93 : 12/93	NO 44.73 NO	METERS	240.00 .00 -24.00	TANGIBLES	P.OIL OIL # P.GAS GAS : P.WATER WTR	SCHEDULING RATES	.0000	12.5000	. 0000	12.5000	100.0000
TIME FRAM PW %-AGE PROD QUAL			330.0 65.0	TNI	#	3 RATE	b	ם ם	ט	D	D
 E	CUMG, MMF	ITEM		& INTANGIBLES			مه	de de	æ	*	40
1*1 38*: 10.0 CD	127.40] 	12/93 AD 11/2000 AD TO LI	TIME		SCHEDULE UNTIL	To	To	To	To	To
1*1 38*12 1*600 DISC.			AD D AD LIFE	; ; ; ;		E UNTIL	LIFE	LIFE	LIFE	LIFE	LIFE
*600 DISC. FREQUENCY:	CUML, MB	ITEM	DQ.	PROCEDURE		PROCEDURE	FLAT	FLAT FLAT	FLAT	FLAT	FLAT
365. CD		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	. 00	; 1 1 1		i i i i	. 00	. 00	. 00	. 00	. 00
OTF		; ; ; ;	570.000 65.000 -24.000	TOTAL T&I	45.077 128.460 50.997	ULTIMATE					
OTHER QUAL :			12/93 11/ 0 9/27	MONTH	2/00 2/00 2/00	LAST	9/27	9/27 9/27	9/27	9/27	9/27
: G		1 1 1 1 1 1 1 1		RISK INV.		EFF. DECL					
		f f l l l l l l l l l l l l l l l l l l	570.0 65.0 -24.0	TOT. T&I&R		EFF. DECL INIT. RATE		. 125		.125	1.000
		1 1 1 1 1 1 1 1 1 1 1	570.0 65.0 -24.0	ESC. T&I&R		FINAL RATE		. 125		.125	1.000

RESERVES AND ECONOMICS EFFECTIVE DATE: 12/93

RENION ENDINO 12/91 12/94 12/95 12/							1. 12/ //							
MONKING INTEREST, N 100,000 10	PERIOD ENDING	12/93	12/94	12/95	12/96	12/97	12/98	12/99	12/00	12/01				
INTERIOR INTERIOR INTERIOR IN STATE STATE IN STA	OWNERSHIP	1	 	 	t t t	;	! ! !	!	1	1 1 1 1	1	1	1	:
PRINTENDRY No.	WORKING REVENUE													100.000 87.500
BORIZONE CAPITITAL SOUTH Y INVESTMENTS TOTAL SOUTH PRICES SOUTH PRIC	INVESTMENTS, M\$													
PHASE PHASE GROSS OIL, MB 12.7 11.9 7.7 5.9 6.2 5.7 4.3 6.1 11.8 7.7 6.9 4.1 11.8 17.4 6.1 11.8 17.4 6.1 11.8 17.7 6.9 4.1 11.8 17.7 6.9 4.1 11.8 17.7 6.9 4.1 11.8 17.7 6.9 4.1 11.8 17.7 6.9 4.1 11.8 17.7 6.9 4.1 11.8 17.8 17.8 17.8 17.8 17.8 17.8 17		570.0		0		· • •			6 . O		. 0	635 . 0		
CROSS OLL, MB CROSS		.0 570.0	. <i>.</i>						65.0			635.0	-24.0	611.0
CROSS OII, MB 2.7 11.9 7.7 5.9 6.2 5.7 4.3 6.1 11.8 7.7 6.9 421 OIL REVENUE, MS 2.3 10.4 6.7 11.8 17.6 5.9 1.4 11.8 17.7 6.9 1.4 10.1 10.1 10.1 10.1 10.1 10.1 10.1				>										
NET CALE, MS OLIA REVENUE, MS 2.7 10.9 7.7 5.9 6.2 5.7 4.3 6.1 11.8 7.7 6.9 42.1 OLIA REVENUE, MS 37.1 166.0 11.7 2 11.8 197.6 5.2 5.4 5.0 3.7 5.4 10.3 6.7 11.8 7.7 6.9 42.1 OLIA REVENUE, MS 37.1 166.0 11.7 2 11.8 197.6 5.7 12.9 20.3 5 12.2 11.2 20.3 5 12.2 11.2 11.2 20.3 5 12.2 11.2 11.2 20.3 5 12.2 11.2 11.2 20.3 5 12.2 11.2 11.2 20.3 5 12.2 11.2 11.2 20.3 5 12.2 11.2 11.2 20.3 5 12.2 11.2 11.2 20.3 5 12.2 11.2 11.2 20.3 11.2 20.3 11.2 11.2 20.3 11.2 11.2 20.3 11.2 11.2 20.3 11.2 11.2 20.3 11.2 11.2 20.3 11.2 11.2 20.3 11.2 11.2 20.3 11.2 11.2 20.3 11.2 11.2 20.3 11.2 11.2 20.3 11.2 11.2 20.3 11.3 20.3 20.3 20.3 20.3 20.3 20.3 20.3 20	CBOSS OII	,	;	1	1	ı ,	! !							
OLI REVENUE, M\$ OLI PRICE, \$/B OLI PRICE, \$/B	NET OIL, MB	2.3	10.4	6.7	ຫ ປ. ນ ປ.	ъ го 4 4	5. O	3.7	5.4	11.8	7.7 6.7	69.9 61.1	42.1 36.8	112.0 98.0
BPHASE GROSS GAS, MMP URIT CAS, MMP AS 5.1 25.4 27.3 15.6 21.2 15.2 19.9 38.3 25.0 29.2 137.1 MET CAS, MMP GAS REVENUE, MS AS 1.760 1.760 1.910 2.480 2.460 1.980 2.140 2.470 2.450 2.440 2.297 2	OIL PRICE, \$	37.1 15.97	166.0 15.97	117.2 17.48	110.8	107.6 19.83	67.4 13.52	68.7 18.34	129.0 24.03	203.5 19.76	122.7 18.29	1130.0 18.48	634.5 17.23	1764.5 18.01
NERGOSS GAS. MMF 3.5 29.1 27.3 15.6 21.2 16.2 17.4 17.5 17.5 1	•													
GAGS REVENIE, MS GAS PRICE, \$/MCF 1.760 1.760 1.760 1.810 2.480 2.460 1.980 2.410 2.477 2.430 2.470 2.450 2.440 2.207 2.402 2.402 2.402 2.402 2.402 2.402 2.402 2.402 2.402 2.402 2.402 2.		3.5 1	29.1 25.4	27.3	15.6 13.7	21.2 18.6	16.2 14.1	13.2	19.9	ມ ພິພ ກີນ	25.0	209.2	137.1	346.3
GROSS MATER, MB 4.2 15.3 7.3 3.5 2.9 8.0 9.3 10.1 41.2 26.8 128.6 147.3 NET MATER, MB 4.2 15.3 7.3 3.5 2.9 8.0 9.3 10.1 41.2 26.8 128.6 147.3 NET MATER, MB 4.2 15.3 7.3 3.5 2.9 8.0 9.3 10.1 41.2 26.8 128.6 147.3 NET MATER PRICE, \$/B .500 .500 .500 .500 .500 .500 .500 .080 .08	GAS REVENU	5.5 1.760	44.7 1.760	43.2 1.810	33.9 2.480	45.7 2.460	28.0 1,980	24.7 2.140	43.0 2.470	82.2 2.450	53.3 2.440	404.0 2.207	292.6	696.7
REFINENTE MATEER, MB MATE	WATER PHASE													
WATER PRICE, \$/B .500 .500 .500 .500 .500 .500 .500 .50	GROSS WATER, NET WATER, MI	4.2	15.3	7.3	ν ω .σ	2.9	» & o	e .9 E. e	10.1	41.2	26.8	128.6	147.3	276.0
MOMICS, M\$ GROSS REV. TO INTR. 42.6 210.7 160.4 144.7 153.3 95.4 93.3 172.0 285.7 175.9 1534.0 927.1 150.5 12.2 17.0 6.8 12.5 20.9 12.9 112.0 68.1 1.4 A DEFIT NET 1.5 1.5 1.5 1.7 10.5 11.2 7.0 6.8 12.5 20.9 12.9 112.0 68.1 1.5 1.5 11.2 7.0 6.8 12.5 20.9 12.9 112.0 68.1 1.5 1.5 11.2 7.0 6.8 12.5 20.9 12.9 112.0 68.1 1.5 1.5 11.2 7.0 6.8 12.5 20.9 12.9 112.0 68.1 1.5 1.5 11.2 7.0 6.8 12.5 20.9 12.9 112.0 68.1 1.5 1.5 11.2 7.0 6.8 12.5 20.9 12.9 12.0 68.1 1.5 1.5 11.2 7.0 6.8 12.5 20.9 12.9 12.0 68.1 1.5 1.5 11.2 7.0 6.8 12.5 20.9 12.9 12.0 68.1 1.5 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.2 7.0 1.5 11.5 11.2 7.0 1.5 11.2 7.0 1.5 11.3 11.4 12.1 7.0 1.5 11.5 11.4 12.1 7.0 1.5 11.5 11.5 11.5 11.5 11.5 11.5 11.	CE,	. 500	.500	.500	.500	. 500	.500	.500	.080	.080	.080	.245	.080	.157
GROSS REV. TO INTR. 42.6 210.7 160.4 144.7 153.3 95.4 93.3 172.0 285.7 175.9 1534.0 927.1 150.4 TAX 3.1 153.3 11.2 7.0 6.8 12.5 20.9 12.9 112.0 68.1 1.2 7.0 6.8 12.5 20.9 12.9 112.0 68.1 1.5 112.0	ONOMICS, M\$;)) !	: : :	i									
- AD VALOREM TAX .1 .3 .3 .3 .2 .2 .2 .1 .3 .5 .3 .24 1.5 .0 PERATING COSTS 1.6 19.2 19.2 19.2 19.2 19.2 19.2 19.2 19.2	- SEV. TAX	3.1	210.7 15.3	160.4 11.7	144.7 10.5	153.3	95.4 7.0	93.3 6.8	172.0	285.7 20.9	175.9 12.9	1534.0 112.0		2461.1 180.2
- SWD 2.1 7.7 3.6 1.8 1.4 4.0 4.6 .8 3.3 2.1 17.2 17.2 17.2 17.4 372.8 1.6 CAPITAL REPAYMENT .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		ر د ،	າ ພູ				.2				ω	2.4		3.9
- CAPITAL REPAYMENT .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1	2.1	7.7	3.6	1.8	1.4	4.0	4.6	8. 7.6T	3.3	2.1	174.4 31.5		547.2 43.3
+ NPI OWNED - PAID	8 1						. 0	o o			. 0	. 0		. 0
- INVESTMENTS & RSK 570.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	+ NPI OWNED -		; ; ;											
-534.2 168.2 125.6 113.0 121.2 65.1 62.5 74.1 241.8 141.4 578.6 496.9 : 10.00 % 35.6 158.8 107.3 87.3 84.7 41.2 35.8 72.1 113.3 60.0 796.0 130.1 6.7534.4 158.8 107.3 87.3 84.7 41.2 35.8 39.5 113.3 60.0 193.4 131.5 634.4 -375.6 -268.3 -181.1 -96.3 -55.2 -19.4 20.1 133.4 193.4 193.4 324.9	- INVESTMENTS	570.0	. 0	.0	.0	0.	.0	.0	65.0	241.8	141.4	1213.6		1686.6
NET INCOME 35.6 158.8 107.3 87.3 84.7 41.2 35.8 72.1 113.3 60.0 796.0 130.1 INVESTMENTS & RISK 570.0 .0 .0 .0 .0 .0 32.6 .0 .0 602.6 -1.4 BFIT NET -534.4 158.8 107.3 87.3 84.7 41.2 35.8 39.5 113.3 60.0 193.4 131.5 CUM BPIT NET -534.4 -375.6 -268.3 -181.1 -96.3 -55.2 -19.4 20.1 133.4 193.4 193.4 324.9	10.00	1534.2	168.2	125.6	113.0	121.2	65.1	62.5	74.1	241.8	141.4	578.6		1075.6
BFIT NET -534.4 158.8 107.3 87.3 84.7 41.2 35.8 39.5 113.3 60.0 193.4 131.5 CUM BFIT NET -534.4 -375.6 -268.3 -181.1 -96.3 -55.2 -19.4 20.1 133.4 193.4 193.4 324.9	NET INCOME	35.6 570.0	158.8	107.3	87.3	84.7	41.2	35.8	72.1	113.3	60.0	796.0	130.1	926.1
-534.4 -575.6 -266.5 -181.1 -96.5 -55.2 -19.4 20.1 133.4 193.4 193.4 324.9	BFIT NET	-534.4	158.8	107.3	87.3	84.7	41.2	35.8	39.5	113.3	60.0	193.4	131.5	324.9
				. U	101.1	- 36 . 3	.00.7	-19.4	20.1	133.4	193.4	193.4	324.9	324.9

AFTER TAX ECONOMICS

				EFFECT	EFFECTIVE DATE: 12/93	: 12/93							
PERIOD ENDING	12/93	12/94	12/95	12/96	12/97	12/98	12/99	12/00	12/01	12/02	S TOT	AFTER	28.5 YR TOTAL
TAX TREATMENT OF INVESTMENTS, MS	NTS, MS							1	1	1	1	1	1
	330.0	, , o	 	. 0	. 0	. 0		65.0	· 0	. 0	395.0	. 0	395.0
3) DEPRECIABLE	240.0										240.0	-24.0	216.0
TAX CALCULATIONS, M\$													
4) GROSS REV. TO INTR.	42.6	210.7	160.4	144.7	153.3	95.4	93.3	172.0	285.7	175.9	1534.0	927.1	2461.1
6) - WPT TAX NET	 O F		1.0		0.11.4			0.2	0.0	. 2	0.711	00.1	0 7.08T
'	3.8	27.2	23.1	21.2	20.9	23.4	24.0	20.3	22.9	21.6	208.3	386.0	594.4
8) + NPI OWNED - PAID		. 0	. 0		. 0		. 0	. 0	. 0	. 0	. 0	. 0	. 0
10) - EXPENSED INV.	330.0					 o c		65.0			395.0	o c	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		240.0
13) - DEPLETION	. 0	. 0			.0		. 0	. 0	. 0	0.0	. 0	0 4	0.
1	. 0	. 0	. 0	.0	. 0	. 0	.0	. 0	. 0	. 0	. 0		. 0
15) = TAXABLE	-297.1	131.9	68.2	72.0	91.9	43.6	41.1	52.7	232.9	141.4	578.6		1051.6
- TAX CREDI	. 0	. 0		. 0			. 0		. 0	. 0	. 0		. 0
<pre>18) - WPT REFUND 19) = F.I.T.</pre>	.0 -104.0	46. 20	23.9	25.2	32.2	15.3	14.4	18.4	81.5	49.5	202.5	165.0	368 1
20) REVENUE-SEV-WPT	ა9. ა	195.4	148.7	134.1	142.0	88.4	გი . ყ	159.4	264.7	163.0	1422.0		2281.0
- OPR. COSTS	3.8	27.2	23.1	21.2	20.9	23.4	24.0	20.3	22.9	01	208.3		594.4
+					;					10			. 0
(24) = A.F.I.T.	139.7	122.1	101.7	87.8	89.0	49.8	14.4 48.1	18.4	81.5 160.3	49.5 91.9	202.5		368.1 1318.5
,	.0	. 0	.0	. 0	. 0	.0	.0	. 0	.0	0	.0		0.
1		.0	.0	.0	.0	. 0	. 0	.0	.0	0	.0	. 0	. 0
* NET INCOME	139.7	122.1	101.7	87.8	89.0	49.8	48.1	120.7	160.3	9	1011.1	307.4	1318.5
29) = A.F.I.T. NET	-430.3	122.1	101.7	87.8	89.0	49.8	48.1	55.7	160.3	91.9	376.1	331.4	707.5
PRESENT WORTH @ 10.00 %													
NET INCOME	139.2	115.2	86.9	67.8	62.2	31.5	27.6	62.5	75.1	39.0	706.9	84.6	791.5
32) A.F.I.T. NET	-430.8	115.2	86.9	67.8	62.2	37.0	27.6	30.6	. 0 75 . 1	.0	104.4	86 0	190 4
_	-430.8	-315.6	-228.8	-160.9	-98.7	-67.2	-39.7	-9.7	65.4	104.4	104.4	190.4	190.4

ECONOMIC INDICATORS

AS OF DATE: 12/93

	1.32	DISCOUNTED NET/INVEST. 1.54
	2.16	UNDISCOUNTED NET/INVEST. 2.76
	7.21	DISCOUNTED PAYOUT, YRS. 6.57
	4.68	UNDISCOUNTED PAYOUT, YRS. 4.18
	18.9	RATE OF RETURN, PCT. 21.3
-345.385	-332.591	397
-334.452	-321.114	-382
-304.522	-290.039	70343.033
-283.000		-314.
-253.800	-238.467	-275.
-211.565	-196.539	Í
-144.894	-132.192	30132.521
-25.888	-22.859	20. 19.908
231.741	190.383	10. 324.942
321,504	257.519	. 422
435.837	338.034	6. 538,932
505.488	384.475	5. 606.419
791.421	. 38	2. 856.319
1088.506	707,1529	0. 1075.582
	no man	
		RATE-OF-RETURN VS. BONIS TABLE
M\$	M\$	MS++
BONUS	WORTH	WORTH
A.F.I.T.	A.F.I.T.	B.F.I.T.

300	1527703	JAM
ftKB	Cement (0.0-631.0)	
500 -	Bore Hole: 631.0 (Size:17.500) Surf Csg. (0.0-631.0, OD:13.375,	
1000 ~	Wt:48.00) Cement (0.0-3850.0)	
1500 -		
2000 -	Inter Csg. (0.0-3852.0, OD:8.625, Wt:32.00)	
2500 ~		
3000 -	Cement (3200.0-7781.0)	
3500 -	Prod. Csg. (0.0-6762.0. OD:5.500, Wt:15.50)	2)
4000 -	Bore Hole: 7781.0 (Size:7.875)	
4500 -		er in the second
5000		2 to 2 to 2 to 2 to 2 to 2 to 2 to 2 to
5500 -		
6000		
	Bore Hole: 7781.0 (Size:7.875)	
6550		
6600 -		
6650 -		
. 6700 -		
6750 -		
6800 -		
6850 -		
6900 -		3
6950 -		
7000 -		
7050 -		
7100 -		and the second
7150		
1		
7200 -	•	
7250 -	Prod Csg. (6762.0-7781.0,	
7300 -	OD:5.500, Wt:17.00)	
; ; 7350 –		
l		
7400 -		
7450 -	:	
7500 -		
7550 -	Actual perfs: 7529, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 7652,	
	54, 56, 58, 60 Perf (7529.0-7660.0)	
7600 -		
7650 -		
7700 -	FC (7695.0-7696.0, OD:5.500)	
7750	Cmt Plug (7695.0-7781.0, OD:4.890)	
7750	TD: 7781.0	
7800 -		
1		

	#37						
JAMES RANG	CH UNIT	#37					
API No.		27703	Sta	tus	- T	ACT O	_{II}
TD		0 ftKB		gineer		KAA	
PBTD		0 ftKB	Liis	Jineel		- ivv	

Operator		PCO	Per				
Well No.	3	37	Spi	ıd		10/23/9	93
ID Code			RR			11/8/9	3
Field	QUAHAD	A RIDGE.		mpletion		12/9/9	
illicia		(DEL)		inpiction	1	12/0/0	3
A. H				A A -A			
Author		AS		t Act.			
Date Updated		30/97	Aba	andoned			
Comments	Drilled b	by Enron					
Location							
Township		S022	Tor	Latitude		0	
	1			Longitu		0	
Pagga		E030				1980.0	
Range		2030	1 10	NS Dist	ance		
			lop	EW Dis	tance	660.0	
Section		36		tom Latit		0	
Unit Ltr.		t	Bot	tom Long	jitude	0	
State	NEW	MEXICO	Btm	NS Dist	ance	0.0	ft
County		DDY	Btn	EW Dis	tance	0.0	
Elevations	<u>-</u>						15
		07.0					
KB		27.2 ft		Fing		0.0	
Grd		310.2 ft	Tub	Head		0.0	ft
KB-Grd	1	7.0 ft			,		
Casing String			a				
Item	Top		Jnts	ΙD	Wt	Crd	Thd
			JIIIS	טו	AAF	Grd	ind
(in)		(ftKB)			: :		
13 3/8 in Surf	0.0	631.0	14	12.720	48.00	H-40	STC
Csg.			1		1 :		
Casing String	a - Interm	ediate C	asing	7			
Item	Тор		Jnts	ID ID	Wt	C	Thd
			วกเร	10	AAL	Grd	ina
(in)	(nkb)	(ftKB)			1		
8 5/8 in Inter Cs			87	7.920	32.00	K-55	TC&S1
Casing String	g - Produ	ction Ca	sing				
Item	Тор	Btm .	Jnts !	ID	Wt	Grd	Thd
(in)		(ftKB)			,		
5 1/2 in Prod.		6762.0	165	4.950	15.50	J-55	LTC
	0.0	0702.0	100	4.900	13.30	J-33	LIÇ
Csg.	0700.0	7774 0	05	4.000	17.00	1.55	
5 1/2 in Prod Cs			25	4.890		J-55	LTC
5 1/2 in FC		7696.0		0.000	0.00		
Casing Ceme	ent						
Casing Stri		Top /	Amou	nt	Com	ments	
Casing Car				ì	0011		
		ftKB)	(sx)				
		0.0		13			
ntermediate Ca		0.0	16	25			
ntermediate Ca		0.0	16	25	by temp	sur.	
ntermediate Ca Production Cas	ing	0.0 3200.0	16 8	25	by temp	sur.	
ntermediate Ca Production Cas Tubing Strin g	ing g - Primaı	0.0 3200.0 ry Tubin	16 8 g	325 315 TOC			Th -3
ntermediate Ca Production Cas Fubing String tem	ing g - Primai Top	0.0 3200.0 ry Tubine Btm	16 8	325 315 TOC S ID	by temp		Thd
ntermediate Ca Production Cas Fubing String tem in)	ing g - Primal Top (ftKB)	0.0 3200.0 ry Tubin Btm (ftKB)	16 8 g Jnts	325 315 TOC s ID (in)	Wt	Grd	
ntermediate Ca Production Cas Fubing String tem in)	ing g - Primai Top	0.0 3200.0 ry Tubin Btm (ftKB)	16 8 g Jnts	325 315 TOC s ID (in)	Wt	Grd	Th d
ntermediate Ca Production Cas Fubing String tem in) 2 7/8 in Tbg.	ing g - Primai Top (ftKB)	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0	16 8 g Jnt:	325 315 TOC s ID (in) 6 2.44	Wt 6.50	Grd) J-55	
ntermediate Ca Production Cas Fubing String tem (in) 2 7/8 in Tbg. 4 57/64 in TAC	ring	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0	16 8 g Jnts	315 TOC s ID (in) 6 2.44 2.87	Wt 6.50	Grd	
ntermediate Ca Production Cas Fubing String tem in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN	ing	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0	16 g Jnts	325 315 TOC s ID (in) 6 2.44 2.87 2.25	Wt 6.50	Grd	
ntermediate Ca Production Cas Fubing String tem in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs,	ing	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu	16 g Jnts) 24) 24	325 315 TOC s ID (in) 6 2.44 2.87 2.25	Wt 6.50	Grd	
ntermediate Ca Production Cas Fubing String tem (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN	ing	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0	16 g Jnts) 24) 24	325 315 TOC s ID (in) 6 2.44 2.87 2.25	Wt 6.50	Grd) J-55	8rd
ntermediate Ca Production Cas Fubing String tem in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs,	ing g - Primal Top (ftKB) 0. 7436. 7626. equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu	16 g Jnts) 24) 24	325 315 TOC s ID (in) 6 2.44 2.87 2.25	Wt 6.50	Grd) J-55) Int (ftKB)	8rd
ntermediate Ca Production Cas Fubing String tem in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs,	ing	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu	16 g Jnts) 24) 24	325 315 TOC s ID (in) 6 2.44 2.87 2.25	Wt 6.50	Grd) J-55	8rd
ntermediate Ca Production Cas Fubing String tem in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs, Date	ing g - Primal Top (ftKB) 0. 7436. 7626. equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu	16 g Jnts) 24) 24	325 315 TOC s ID (in) 6 2.44 2.87 2.25	Wt 6.50	Grd) J-55) Int (ftKB)	8rd
ntermediate Ca Production Cas Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs, Date 11/3/93 Perforations	ing g - Primal Top (ftKB) 0. 7436. 7626. equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7627.0 0 7627.1 Item	16 g Jnts) 24) 24	325 315 TOC s ID (in) 6 2.44 2.87 2.25	Wt 6.50 75 0.00 50 0.00	Grd J-55 	8rd
ntermediate Ca Production Cas Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs, Date	ing g - Primal Top (ftKB) 0. 7436. 7626. equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu	16 g Jnts) 24) 24	325 315 TOC s ID (in) 6 2.44 2.87 2.25	Wt 6.50 75 0.00 50 0.00 76	Grd) J-55) Int (ftKB)	8rd
ntermediate Ca Production Cas Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs, Date 11/3/93 Perforations	ing g - Primar Top (ftKB) 0. 7436. 7626. , equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu Item	g Jnts) 24	325 315 TOC s ID (in) 6 2.44 2.87 2.25	Wt 6.50 75 0.00 769 769 Shots (/ft)	Grd J-55	8rd
Intermediate Ca Production Cas Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs, Date 11/3/93 Perforations Date	ing g - Primar Top (ftKB) 0. 7436. 7626. equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu Item	g Jnts) 24	325 315 TOC s ID (in) 6 2.44 2.87 2.25	Wt 6.50 75 0.00 50 0.00 76	Grd J-55	8rd
Intermediate Ca Production Cas Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs, Date 11/3/93 Perforations Date	ing g - Primar Top (ftKB) 0. 7436. 7626. equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu Item	g Jnts) 24	325 315 TOC s ID (in) 6 2.44 2.87 2.25	Wt 6.50 75 0.00 769 769 Shots (/ft)	Grd J-55	8rd
11/3/93 Perforations Date 11/16/93 Stimulations	ing g - Primar Top (ftKB) 0. 7436. 7626. equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu Item	16 8 9 Jnts 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S25 S15 TOC S ID (in) 6 2.44 2.87 2.25 cks	Wt 1 6.50 75 0.00 769 769 Shots (/ft) 0	Grd J-55 Int (ftKB) Statu	8rd
Intermediate Ca Production Cas Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs, Date 11/3/93 Perforations Date 11/16/93 Stimulations Date Typ	ing g - Primar Top (ftKB) 0. 7436. 7626. , equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu Item	16 8 9 Jnts 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	325 315 TOC s ID (in) 6 2.44 2.87 2.25	Wt 6.50 75 0.00 769 769 Shots (/ft)	Grd J-55 Int (ftKB) Statu	781.0
Intermediate Ca Production Cas Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs, Date 11/3/93 Perforations Date 11/16/93 Stimulations	ing g - Primar Top (ftKB) 0. 7436. 7626. , equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu Item	16 8 9 Jnts 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S25 S15 TOC S ID (in) 6 2.44 2.87 2.25 cks	Wt 1 6.50 75 0.00 769 769 Shots (/ft) 0	Grd J-55 Int (ftKB) Statu	8rd
ntermediate Ca Production Cas Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs, Date 11/3/93 Perforations Date 11/16/93 Stimulations	ing g - Primar Top (ftKB) 0. 7436. 7626. , equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu Item	16 8 9 Jnts 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S25 S15 TOC S ID (in) 6 2.44 2.87 2.25 cks	Wt 1 6.50 75 0.00 769 769 Shots (/ft) 0	Grd J-55 Int (ftKB) Statu	781.0
ntermediate Ca Production Cas Fubing String tem in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs, Date 11/3/93 Perforations Date 11/16/93 Stimulations	ing g - Primar Top (ftKB) 0. 7436. 7626. , equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu Item	16 8 9 Jnts 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S25 S15 TOC S ID (in) 6 2.44 2.87 2.25 cks	Wt 1 6.50 75 0.00 769 769 Shots (/ft) 0	Grd J-55 Int (ftKB) Statu	8rd
ntermediate Ca Production Cas Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs, Date 11/3/93 Perforations Date 11/16/93 Stimulations	ing g - Primar Top (ftKB) 0. 7436. 7626. , equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu Item	16 8 9 Jnts 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S25 S15 TOC S ID (in) 6 2.44 2.87 2.25 cks	Wt 1 6.50 75 0.00 769 769 Shots (/ft) 0	Grd J-55 Int (ftKB) Statu	8rd
ntermediate Ca Production Cas Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs, Date 11/3/93 Perforations Date 11/16/93 Stimulations	ing g - Primar Top (ftKB) 0. 7436. 7626. , equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu Item	16 8 9 Jnts 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S25 S15 TOC S ID (in) 6 2.44 2.87 2.25 cks	Wt 1 6.50 75 0.00 769 769 Shots (/ft) 0	Grd J-55 Int (ftKB) Statu	8rd
ntermediate Ca Production Cas Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN Other (plugs, Date 11/3/93 Perforations Date 11/16/93 Stimulations	ing g - Primar Top (ftKB) 0. 7436. 7626. , equip., e	0.0 3200.0 ry Tubing Btm (ftKB) 0 7626.0 0 7439.0 0 7627.0 etc.) - Plu Item	16 8 9 Jnts 0 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S25 S15 TOC S ID (in) 6 2.44 2.87 2.25 cks	Wt 1 6.50 75 0.00 769 769 Shots (/ft) 0	Grd J-55 Int (ftKB) Statu	8rd

WELL HISTORY

WELL NAME:

James Ranch Unit #37

FIELD NAME:

Quahada Ridge, S.E. (Del)

LOCATION:

1980' FSL & 660' FEL, Sec, 36, T22S,R30E, Unit I

Eddy County, New Mexico

ELEV:

3310.2' GL, 3327.2' KB

SPUD DATE:

10/23/93, RR 11/8/93

COMP DATE:

12/9/93

ORIG TD:

7781'

ORIG PBTD:

7695'

CASING:

13 3/8" 48#, H-40 CSA 631', cmt w/513 sx, cmt circ, 17 $\mbox{4}$ " hole 8 5/8" 32#, K-55 CSA 3850', cmt w/1625 sx, cmt circ, 12 $\mbox{4}$ " hole 5 $\mbox{4}$ " 15.5 & 17# CSA 7781', cmt w/815 sx, TOC 3200' (TS) 7 7/8" hole

TUBING:

2 7/8", 6.5#, 8rd, J-55

DST:

None

CORES & LOGS:

Dual Laterlog Micro SFL 3842-7767'

Spectral Denisty Dual Spaced Neutron Log 100-7769'

INITIAL COMPLETION

11/16/93 to 12/8/93

INITIAL COMPLETION

11/16/97

TD 7781, PBTD 7695'. Ran GR-CCL log.

Perf: 7529, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 7652, 54, 56, 58 & 60'. Acidize perfs w/3700 gals 7 ½% NEFE HCl + 34 BS. FM broke @ 2900 psi, Treated @ 4.5 BPM @ 2000 psi. Ball out. Frac perfs w/41,000 gals Viking 135D w/120,000# sd + 10,000# 16/30 RCS. Well started flowing, flowed 10 days. Killed well, ran 2 7/8" tbg

and rods. Placed on pump.

IP: 11/22/93 24 hr 199 BO, 563 MCFG, 244 BW on 24/64" CK.

11/20/97

Pump failure. Lower tbg, SN @ 7627'.

7/15/98

Run BH pressure buildup.

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-d9

DISTRICT | P.O. 3ex 1980, Hebbs, NM 88240

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

RICT II
P. Orawer DD. Artesia, NM 58210

DISTRICT III
1000 Rio Brasoe Rd., Artec, NM 57410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator			Lesse				Yeil No.	· · · · · · · · · · · · · · · · · · ·
	ENRON OIL AN	GAS CO.		JAMES RAN	CH UNIT		3	7
Unit Letter	Section	Township	Range			County		· — — — — — — — — — — — — — — — — — — —
Actual Footage Los	36	22 SOUTH		30 EAST	MAPA	(EDOY	
.000	60	UTH 15- and	660			-		
Cround Level Elev	4 11014	The 4nd	i Pooi		feet from	<u>. 4. E4S</u>	Une Dedicated Acre	
3310.2	- I	ring/Delaware	1	A QUAHADA	A RED H	5. KE	40	-
L. Outline the a		the subject well by colored					7	ACTES
					-			
		ated to the well, outline each					·	
	one lease of differ force-pooling, etc.?	ent ownership is dedicated i	to the well.	have the interest of	of all owner	гэ веев совзо.	iidated by comm	unitizacion.
Yes	.orce—pooling, ecc	If answer is "yes" type	of consolida	tion.				
		ad tract descriptions which			d. (Use re-	terre ade of		
this form necess	ery							
		the well unit all interested unit. eliminating such in					muzation, force	ed-pooling.
						OPERA:	OR CERTIFI	CATION
	i			i		/ her	eog certify the th	4 information
į	į			i .	İ	1	en is true and c	
	i			i		best of my in	contrage and belief	•
·	i			i	-	Signature	1/-	\wedge
	i			i		BIT	the XII	Jones
	ĺ			İ		Printed Nam	C 3	
 	-			÷		Betty Gi	laon	
	Ì			1	Ì		rv Analysi	-
	1			1		Company		
	1			1	1		1 % Gas Co	mpany
	1		•	1		5/20	/93	
	1			1	1	3720	7.53	
				1	İ	SURVEY	OR CERTIFIC	ATION
						/ heretu certu	ry that the well la	carien shown
.	1					on thus plat u	vas platteri from j	raid notes of
	1	-		3313.0	315.6		made by me and that the same	
-	1	and the same of th			660' —	correct to t	he best of my b	
						bestef.		
	[3308.7	311.9	Date Survey	red MAY 1, 1993	1
				!		Signature &		
				 		Professions.		
1				980		_		
	1			-19	- 1	200	CARY OAK	1
	\ •						35	م الله
	1, 1					r your	x 101	ا سينان
	f I					Certificate:	(7977) () () () () () () () () ()	VESTI 279
	1						BONNO 1 50	SDNG 3230
							QUAY L.	7977
n 330 560	990 1329 1650	1980 2310 2540 200	1500	1000 500	0	1/9	3441-0755	

State of New Mexico BEP-10 - WIT PROBLETION Alinerals and Namural Resources Department - 1937 Submit to Appropriate Ferm C-105 Disna Office Review 1-1-49 معصا علتاك 🗕 6 معصا علتاك Fee Lass - 5 comes WELL API NO. OIL CONSERVATION DIVISION P.O. 30x 1980, Hobbs, NM 88240 : 130 015/27703 P.O. Box 20881 S-Indicate Type of Lease Sama Fe. New Mexico 875042088 Jawer DD, Artens, NM 88210 STATE Y FEE & Size Oil & Gas Lazes No. 1000 Rio Brazos Rd. Aziec NM 87410 E-5229-6 WELL COMPLETION OR RECOMPLETION REPORT AND LOG 7. Lease Name or Unit Agreeme OIL WELL!X GAS WELL DRY COTHER b. Type of Commission: MEN THE WORK DOCUMENT TO PAGE ALLOYS TO COTHER James Ranch Unit L Well No. Enron Cil & Gas Company Address of Operator y, copy parms or Wilder P. O. Box 2267, Midland, Texas 79702 Quahoda Rio Delaware, SF Well Location : 1980 For From The South Line and 660 For From The 9251 Line Usix Letter . Sections Townsie 225 . Runge 30E NMPM Eddy IO. Die Soumen II. Das T.D. Resches 12 Date Comp. (Ready to Prod.) A Elev. Commenced 13. Elevanous (DF& RKB, RT, GR, ac.) 10-23-93 11-6-93 11-18-93 331G.2' GR 3310.2' 17. If Municie Count. How Many Zones? Tour Deoug 16 Phus Back T.D. 1& Intervals
Drilled By Rotary Tools Cible Tools 7781 7778 Promising Interval(s), of this completion - Too, Bostom, Name 22. Was Directional Survey Made 7529-7660 (Delaware) 21. Type flectric me Other Logs Rus 22. Was Well Cornel DITLANSFILER SDILLDSNLGR CASING RECORD (Report all strings set in weil) CEMENTING RECORD CASING SIZE WEIGHT LEAFT. DEPTH SET HOLE SIZE - AMOUNT PULLED 13-3/8 48. 1313 PSL C & 200 CT C Circulated 17-1/2 631 Circulated 12-1/4 3-5/8 3853 11400 PSL C & 225 C1 C 5<u>-1/2</u> . 17≠ & 15.5# 7-7/8 1400 PSL 3 415 7778 Lyta Temp Survey - LINER RECORD TUBING RECORD BOTTOM DEPTH SET SYCKS CEMEAL 2-7/9" 7400 14. Perforance record (interval, size, and number) TT. ACID. SHOT. FRACTURE CEMENT, SOURE DEPTH INTERVAL AMOUNT AND KEYD MATERIAL USED 141 200 cale Vibing 1757 1529-7660 (.54" 17) 7520_7660 + 120 000# 20/40 cand PRODUCTION Firs Programon Weil Status (Prod. or Same-a) Promission Manad (Flowing, yas lut, pursuing - Size and type pump) Flowing Cas - Orl Rillo Oil - 361. Gus - MCF Water - 3bt. عه. ته مند riours Testes Coore Size Pros a For 199 Total Period ! 24 124/54 Oil Gravity - A21 - (Curr.) Gas - MCF Water - BbL Tustas mark Cucuston 24 Hour kase Cu - BaL Canna Pressure 40.0 780 Test Witnesses By 1. Dissource of Gas (Soid, uses for fiel, walker, de.) 1 ACCUMENTS inclination Report, C-104 certify that the information shown on both sides of this form is true and complete to the best of my promiting and bested

Name Benty Gildon Thursegulatory Analys Date 12/1/03

Air Cleu

Signature Total

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

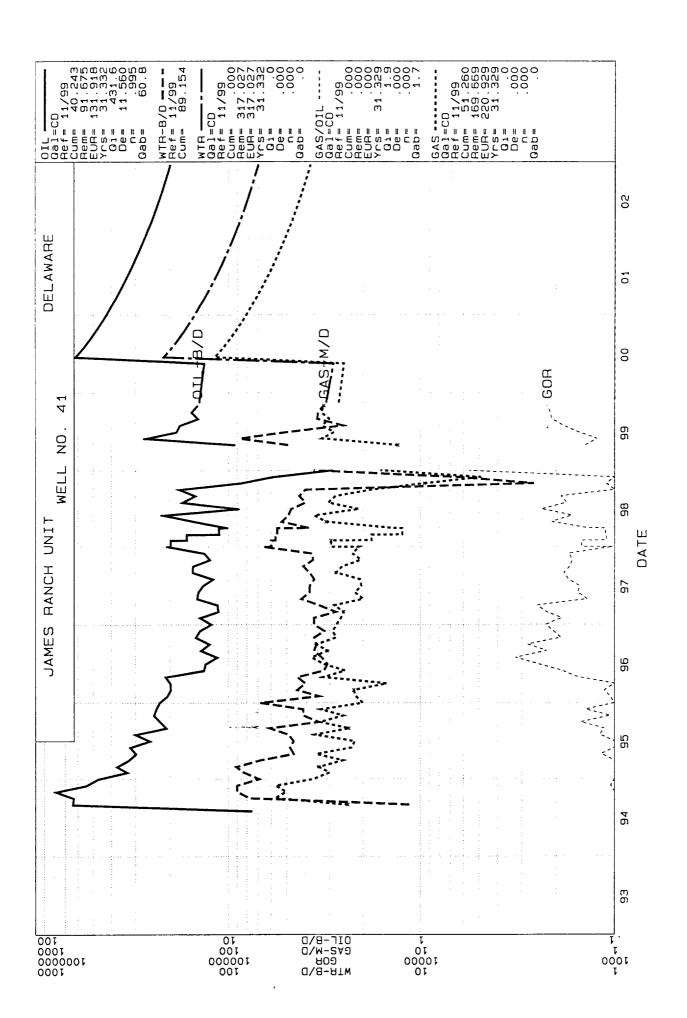
WELL DATA

WELL			AMES RANC	H UNIT #4	1		FORMATIC_		DELAV	VARE
LOCATION		N	_UNIT,	660	FEET FROM_	south	LINE &	2310	_ FEET FROM	WESTLIN
SECTION	36	TOWNSHIP	225	_, RANGE	30E,	COUNTY		EDDY		, NEW MEXICO
SPUD DATE		7/5/94	COMPLETI	ON DATE	8/1/9	4	INITIAL PRO	DUCTION		8/1/94
PERFORATIO)NS	7384-7404'			,					t the same of the
TIMULATIO	N:			<u></u> ,				- <u>-</u>		
	ACID_	7384-7404'	W/2000 GA	LS 7 1/2% I	HCL					
	FRACTU	IRE	7384-7404	ł' W/47,500	GALS VIKING	XL GEL	+ 280,000#	20/40 OTT	AWA SAND	
						····				
OTENTIAL	8/4/94	189 BOPD, 135 N	MCFPD, 91 B	WPD						
		189 BOPD, 135 N								
				ch of Compl	eted Well.)					
				ch of Compl						
				ch of Compl	eted Well.)	ALCUL	ATION	ANDS NOT	PERFORATED Y PRODUCTIV	BUT
Attach Copy	of C-105.	Attach Copy of V		ch of Compl	eted Well.)	ALCUL	ATION	ANDS NOT	PERFORATED	BUT
Attach Copy	of C-105.	Attach Copy of V		VOL	eted Well.)	ALCUL	ATION	ANDS NOT	PERFORATED	BUT
Attach Copy Attach Copy Area (A) prorosity (por)	of C-105.	Attach Copy of N		VOL	eted Well.)	ALCUL	ATION	ANDS NOT OTENTIALI	PERFORATED	BUT
Attach Copy Area (A) prororosity (por), Vater saturation	of C-105. ration unit , % on (Sw), %	Attach Copy of N		40 12.0%	eted Well.)	ALCUL	ATION	ANDS NOT OTENTIALI 40 15.0%	PERFORATED	BUT
Attach Copy Area (A) prororosity (por), Vater saturation let Thickness	of C-105. ration unit , % on (Sw), % (h), ft.	Attach Copy of N		40 12.0%	eted Well.)	ALCUL	ATION	ANDS NOT OTENTIALI 40 15.0%	PERFORATED	BUT
Attach Copy Area (A) prororosity (por), Atter saturation let Thickness emperature (of C-105. ration unit , % on (Sw), % (h), ft. T), Fahrer	Attach Copy of N		40 12.0% 60%	eted Well.)	ALCUL	ATION	ANDS NOT OTENTIALI 40 15.0% 63% 28	PERFORATED	BUT
	of C-105. ration unit , % on (Sw), % (h), ft. T), Fahrer pressure (P	Attach Copy of N		40 12.0% 60%	eted Well.)	ALCUL	ATION	ANDS NOT OTENTIALI 40 15.0% 63% 28 120	PERFORATED	BUT

PERFORMANCE DATA

If sufficient history exists,	attach plot of oil production r	ate v time.)			
CUMULATIVE PRODUCT	TION TO 11/3	;	40243 BBLS		
		PRO	DUCING		BEHIND PIPE
NITIAL RATE (qi)			297	-	1550
CONOMIC LIMIT (qI)			60		60
ECLINE RATE, dy (Hype	erbolic, n=.995)		3.23%		57.79%
EMAINING OIL (Q) =		5	5,707		27,000
ILTIMATE RECOVERAB	LE OIL	12	23,000		
Attach plat showing prora	tion unit and participating are	a.)			
		ECC	ONOMIC		
/ELL COST \$	570,000 (to the dept	h of formation complete	ed)		
ECOMPLETION COST \$	65,000 (6/	2000)			
OTAL COST \$	635,000				
YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW	
ZERO	0	0	0	-570,000	
1	9,600	144,900	25,200	116,600	
2	10,100	171,600	42,100	117,300	
3	5,700	128,000	35,300	76,000	
4	5,100	106,900	34,300	53,800	
5	5,500	80,000	34,400	30,500	
6	3,700	70,600	29,500	24,900	
7	13,200	331,700	46,900	156,300	
8	12,300	262,000	42,000	109,300	
9	8,400	168,300	34,100	60,400	
10	6,400	122,300	30,100	37,500	
REMAINDER	43,000	816,300	432,500	99,800	

WELL IS COMMERCIAL



			I N	PUT DA	TA				CAL	CULAT	ED DAT	A
ITEM	SCHEDULING RATES	RATE		SCHEDULE UNTIL	UNTIL	PROCEDURE	1 1	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
405 START	۲/											
	,											
	431.60	: ×	B/M		AD	н/0.995	11.56	43.161	5/00	11.56	432.	403.
420 #	113.73	× ×	M/8	12/2018	IMU	EXP	5.00	119.543	2/31	57.79	1947. 114.	114. 61.
425 START	11/99											
430 GAS/OIL	1.91	1.70	1.70 M/B	03/2031	B	LOG	TIME		2/31			
435 START	11/99											
				•••••								
440 WTR/OIL 445 "	2.22 3.50	3.50	0/B	06/2000 TO	AD LIFE	LIN	5.08 TIME		5/00 2/31	5.08	2.219	2.152
450 START	7/94											
516 PRI/OIL	16.8800	×	\$/B	1/95	XX/WW	PC	. 00		2/31		16.880	16.880
518 *	22.26	× >	8/8	1/97	8 8	ט קי	. 00		2/31		22.260	18.390
	20.74	×	\$/B	1/98	AD	PC	. 00		12/97		20.740	
520 *	14.43	< ×	\$/B	1/99	8 8	PC	.00		12/98		14.430	14.430
522 "	24 94	× >	ν. γ. γ. μ	1/2000	2 5	מי	. 00		12/99		19.250	19.250
523 "	20.67	×	\$/B	1/2002	ָּטָּ	PC (. 00		12/01		20.670	20.670
524 *	19.20	< ×	a/\$	1/2003	8 8	5 E	. 00		12/02		19.200	19.200
	18.13	×	\$/B	TO	LIFE	D. C.	. 00		2/31		18.130	18.130
531 PRI/GAS	1.8900	×	\$/M	1/95	AA/WW	PC	. 00		2/31		1.890	1.890
	1.94	×	W/S	1/96	AD	PC	. 00		12/95		1.940	1.940
ייייייייייייייייייייייייייייייייייייי	3 .6 5 E	< ×	2 × 3	1/97	ð	D C	. 00		12/96		2.610	2.610
	2.11	××	S (1/99	AD &	ים מי			12/98		2.110	2.590
	2.27	×	\$/M	1/2000	ď	D.	. 00		12/99		2.270	2.270
537) , 60	< ×	ς γ Μ	1/2001	8 8 8	7 Z	. 00		12/00		2.600	2.600
	2.57	×÷	\$/M	TO 2002	LIFE	D.C.	. 00		2/31		2.570	2.570
544 PRI/WTR	.5000	.5000	0 \$/U	1/2000	AD	D C			6/94		.500	.500
550 OPC/T	1600.00	×	\$/M	TO	LIFE	SCH	OPC		2/31		1600.000	1600.000
555 STX/OIL 560 STX/GAS	7.08 7.93	××	er er	당당	LIFE	og g	. 00		2/31 2/31		.071	.071
565 ATX	.17	×	*	10	LIFE	ЪС	. 00		2/31		.002	. 002
570 PRI/OIL 575 PRI/GAS	9100 1300	9100 1300	0 \$/B	To o	LIFE	04	. 00		2/31 2/31		910 130	18.130 2.570
700 LSE/WI	100.0000	ם	*	TO	TIFE	FLAT	. 00		2/31		1.000	1.000

BASE DATE : P.W. DATE : REPORT DATE :	PROJECT ASSUMPTIONS	•	RESERVE PARAMETERS	800 DRILL 801 WORKOVER 802 SALVAGE	INVESTMENT	905 LOAD 910 LOAD 915 LOAD	OVERLAYS	761 OWN/ORR	740 LSE/RIG 760 LSE/ORR	721 OWN/RI	720 LSE/RIC	701 OWN/WI
: 7/94 : 7/94 : 7/94 : 7/94	MPTIONS	NO 40.24	RAMETERS	240.00 .00 -24.00	TANGIBLES & INTANGIBLES	P.OIL OIL # P.GAS GAS # P.WATER WTR	SCHEDULING RATES	.0000	12.5000	. 0000	12.5000	100.0000
TIME FRAM PW %-AGE PROD QUAL				330.00 65.00	ENI 3	#	3 RATE	ט	ם ם	ם	ם	Ð
		CUMG, MMF	ITEM	30.00 M\$G 65.00 M\$G .00 M\$G	ANGIBLES		i (3)	*	ake ake	*	de	ete.
1*6 38*12 1*600 10.0 DIS CD OWN		51.26	 	07/94 AD 06/2000 AD TO LI	TIME		SCHEDULE UNTIL	TO	or or	TO	TO	B
2 1*600 DISC. OWNER			~	AD 0 AD LIFE			E UNTIL	LIFE	LIFE	LIFE	LIFE	LIFE
600 DISC. FREQUENCY : OWNER QUAL :		CUML, MB	ITEM	PC C	PROCEDURE		PROCEDURE	FLAT	FLAT FLAT	FLAT	FLAT	FLAT
365. CD			i 1 1 1	. 00			!	. 00	. 00	.00	.00	.00
ОТН			1 1 1 1 1 1	570.000 65.000 -24.000	TOTAL T&I	40.675 52.223 89.154	ULTIMATE					
OTHER QUAL :			 	7/94 6/ 0 2/31	MONTH	2/00 2/00 2/00	LAST	2/31	2/31 2/31	2/31	2/31	2/31
: CD			t 1 1 1 1 1 1 1		RISK INV.		EFF. DECL					
				570.0 65.0 -24.0	TOT. T&I&R		INIT. RATE		. 125		. 125	1.000
				570.0 65.0 -24.0	ESC. T&I&R		FINAL RATE		.125		.125	1.000

}

PRESENT WORTH @ 10.00 &	ECONOMICS, M\$	WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, MS 11) OIL PRICE, \$/B	INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	PERIOD ENDING OWNERSHIP 1) WORKING INTEREST, \$ 2) REVENUE INTEREST, \$
116.6 570.0 -453.4 -453.4	144.9 10.3 .2 9.6 5.1 .0 .0 .119.5 570.0	10.3 10.3	6.9 6.0 10.6 1.760	9.6 8.4 134.3 15.97	.0 570.0 .0 570.0	12/94 100.000 87.500
117.3 .0 117.3 -336.1	171.6 12.3 .3 19.2 10.3 .0 .0 .0 .129.6	20.5 20.5	10.4 9.1 16.4 1.810	10.1 8.9 155.2 17.48		12/95 100.000 87.500
76.0 .0 76.0 -260.1	128.0 9.3 19.2 6.6 .0 .0 92.8	13.1 13.1 .500	10.2 8.9 22.2 2.480	5.7 5.0 105.8 21.35	0000	R E S
53.8 .0 53.8 -206.3	106.9 7.7 19.2 19.2 7.2 0 .0 .0	14.3 14.3 .500	8.6 7.5 18.4 2.460	5.1 4.5 88.5 19.83		ERVE: EFFEC: 12/97 100.000: 87.500
30.5 .0 30.5 -175.7	80.0 5.8 19.2 9.3 .0 45.5	18.6 18.6	8.5 7.5 14.8 1.980	5.5 4.8 65.2 13.52		VES AND EFFECTIVE DATE: 2/97 12/98 12/98 .000 100.000 10
24.9 .0 24.9 -150.8	70.6 5.1 19.2 5.1 19.2 6.0 .0 41.1	10.2 10.2 .500	5.7 5.0 10.7 2.140	3.7 3.3 3.9 59.9 18.34		E C 7/94 12/99 0.000 7.500
156.3 36.0 120.4 -30.5	331.7 23.9 25.5 19.2 3.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	40.7 40.7 .080	25.3 22.1 54.7 2.470	13.2 11.5 277.0 24.03	65.0 65.0	12/00 100.000 87.500
109.3 .0 109.3 78.8	262.0 19.0 19.2 19.2 3.4 .0 .0 .0 220.0	43.0 43.0	23.2 20.3 49.8 2.450	12.3 10.7 212.2 19.76		12/01 1200.000 87.500
60.4 .0 60.4 139.2	168.3 12.2 .3 19.2 2.4 .0 .0 .134.3	29.4 29.4	15.9 13.9 33.9 2.440	8.4 7.4 134.5 18.29		12/02 100.000 87.500
37.5 .0 37.5 176.7	122.3 8.9 .2 19.2 1.8 .0 .0 .0 92.2	22.4 22.4 .080	12.0 10.5 25.7 2.440	6.4 5.6 96.6 17.27		12/03 100.000 87.500
782.7 606.0 176.7	1586.2 114.5 2.5 182.4 54.4 .0 .0 .0 1232.4 635.0	222.5 222.5 222.5	126.6 110.8 257.0 2.319	80.0 70.0 1329.1 18.99	.0 635.0 .0	S TOT
99.8 -1.4 101.2 277.9	816.3 59.2 1.3 360.0 12.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	150.5 150.5	78.8 68.9 168.2 2.440	43.0 37.6 648.1 17.22	-24.0 -24.0 -24.0	AFTER
882.5 604.5 277.9 277.9	2402.5 173.7 3.8 542.4 66.4 .0 .0 .0 .1616.1 611.0	373.1 373.1	205.4 179.8 425.2 2.366	123.0 107.6 1977.2 18.37	.0 611.0 .0	28.3 YR TOTAL 100.000 87.500

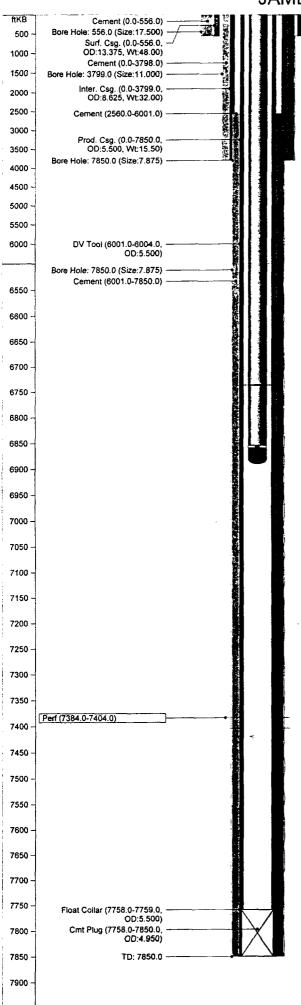
AFTER TAX ECONOMICS

PRESENT WORTH @ 10.00 % 30) NET INCOME 31) INVESTMENTS & RISK 32) A.F.I.T. NET 33) CUM. A.F.I.T. NET	20) REVENUE-SEV-WPT 21) - OPR. COSTS & ATX 22) + NPI OWNED - PAID 23) - F.I.T. 24) = A.F.I.T. 25) - LOAN REPAYMENT 26) - INTEREST PAID 27) = NET INCOME 28) - INVESTMENTS & RSK 29) = A.F.I.T. NET	I) EXP, RISK & CAP INT 2) DEPLETABLE 3) DEPRECIABLE 3) DEPRECIABLE TAX CALCULATIONS, M\$	PERIOD ENDING 12/94 TAX TREATMENT OF INVESTMENTS, M\$
194.3 570.0 -375.7	134.5 15.0 .0 .79.7 199.2 .0 .0 .199.2 570.0	330.0 240.0 240.0 1144.9 110.3 10.0 15.0 .0 .0 .0 .0 .17.1 -227.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/94 ENTS, M\$
91.0 .0 .0 91.0	159.3 29.7 29.1 100.5 0 100.5 100.5	171.6 12.3 12.3 12.3 29.7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/95
63.8 .0 63.8	118.8 26.0 -0 14.8 77.9 -0 -0 77.9	128. 9.3 9.3 26.0 42.4 42.4 14.8	12/96
44.3 .0 44.3	99.2 26.5 112.8 59.8 59.8 59.8	106.9 7.7 26.5 36.6 36.6 35.6	EFFEC 12/97
25.9 .0 .25.9 -150.7	74.2 28.6 6.9 38.6 .0 38.6 38.6	80.0 5.8 5.8 28.6 .0 19.8 19.8 35.0	EFFECTIVE DATE: 2/97 12/98
20.8 .0 .0 20.8	34.2 34.2 34.2 34.2	70.6 5.1 24.4 19.6 119.6 35.0 6.9	E: 7/94 12/99
118.2 36.0 82.3	307.7 23.0 69.4 215.3 .0 215.3 65.0 150.3	65.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/00
74.8 .0 74.8 27.1	243.0 23.0 69.5 150.5 .0 150.5 .0	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/01
39.2 .0 39.2 66.3	156.1 21.8 47.0 47.3 87.3 .0 .0 .0 87.3	168.3 12.2 21.8 21.8 0 134.3 35.0 47.0	12/02
24.4 .0 .24.4 90.7	113.4 21.2 0 32.3 60.0 .0 60.0 60.0	122.3 8.9 21.2 21.2 92.2 92.2 35.0	12/03
696.7 606.0 90.7 90.7	1471.7 239.3 .0 209.1 1023.3 .0 .0 1023.3 635.0 388.3	1586.2 114.5 114.5 114.5 114.5 114.5 10.0 239.3 0.0 240.0 597.4 35.0 0 597.4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S TOT
64.8 -1.4 66.3 157.0	757.1 373.3 0 134.3 249.4 .0 .0 249.4 -249.4 -249.4	-24.0 -25.0 -25.0	AFTER
761.6 604.5 157.0	2228.8 612.6 0 343.4 1272.7 .0 1272.7 611.0 661.7	395.0 216.0 216.0 2173.7 173.7 612.6 612.6 0.0 395.0 240.0 981.1 981.1 981.1 35.0 981.1	28.3 YR TOTAL

ECONOMIC INDICATORS

AS OF DATE: 7/94

B.F.I.T. A.F.I.T. BONUS THE WORTH WORTH WORTH WORTH WORTH WORTH BONUS TABLE RATE-OF-RETURN VS. BONUS TABLE 0. 1005.141 661.42 1018.064 2. 793.863 515.175 732.219 5. 466.444 302.149 347.606 452.286 6. 486.444 302.149 302.149 303.0.149 303.0.149 312.77.941 157.019 190.673 20. 277.941 157.019 190.673 30168.231 -162.566 -107.622 40250.986 -255.784 -242.333 50361.038 -266.526 -282.936 60336.349 -295.050 -310.904 70361.038 -266.526 -282.936 80379.867 -316.417 -311.633 80394.880 -365.526 -328.939 RATE OF RETURN, PCT. 19.3 17.4 UNDISCOUNTED PAYOUT, YRS. 5.81 5.90 DISCOUNTED NET/INVEST. 2.65 2.08			•	
B.F.I.T. A.F.I.T. WORTH WORTH WORTH WORTH WORTH M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$		2.08		UNDISCOUNTED NET/INVEST.
B.F.I.T. A.F.I.T. WORTH WORTH WORTH WORTH PROFILE AND O. 1005.141 661.1/42 2. 793.863 515.175 5. 486.444 302.149 8. 372.727 223.128 10. 277.941 157.019 20. 279.941 -54.174 30168.231 -162.566 40250.986 -225.784 50. 336.349 -295.050 70361.038 -316.417 90361.038 -316.417 90379.867 -333.294 90394.880 -358.929 OF RETURN, PCT. 19.3 17.4		7.14	6.78	DISCOUNTED PAYOUT, YRS.
B.F.I.T. A.F.I.T. WORTH WORTH WORTH WORTH M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$ M\$		5.90	•	
T. A.F.I.T. WORTH NS 661.\$\frac{1}{4}\$ 41 661.\$\frac{1}{4}\$ 63 515.175 88 347.606 344 332.149 27 223.128 157.019 17 -54.174 -162.566 -225.784 -225.784 -226.526 -225.784 -316.417 -316.417 -333.294 -347.170 -358.929		17.4	19.3	RETURN,
T. A.F.I.T. WORTH N\$ 661.542 41 661.542 41 661.542 41 661.742 41 66		358.	-407.261	100.
T. A.F.I.T. WORTH N\$ 661.542 41 661.542 41 661.542 41 661.542 41 661.542 41 661.542 41 661.542 41 661.542 41 661.542 41 661.542 42 302.149 223.128 31 157.019 17 -162.566 48 66 -225.784 68 6-225.784 68 6-256.526 49 -295.050 316.417		347.	-3/9.86/	90.
T. A.F.I.T. WORTH N\$ 661.542 41 661.542 41 661.742 41 661.742 41 661.742 41 661.742 41 661.742 41 661.742 41 666.302 41 666.526 42 63 302.149 27 223.128 41 157.019 17 -162.566 -225.784 -266.526 49 -295.050		-316.417	-361.038	70.
T. A.F.I.T. WORTH N\$ 1 661.542 41 661.542 41 661.542 42 515.175 347.606 347.606 347.606 44 302.149 27 223.128 41 157.019 17 -162.566 -225.784 68 -226.526	-310.90	295.	-336.349	60.
T. A.F.I.T. WORTH M\$ 1 661.742 41 661.742 41 661.75 88 347.606 44 302.149 27 223.128 17 -54.174 162.566 31 -162.566 86 -225.784	-282.93		-302.068	50.
T. A.F.I.T. WORTH M\$ 1 661.742 41 661.742 41 661.742 43 515.175 88 347.606 44 302.149 27 223.128 157.019 17 -54.174 31 -162.566	-242.33	-225.784	250	40.
T. A.F.I.T. WORTH M\$ 1 41 661.742 63 515.175 88 347.606 344 302.149 27 223.128 1157.019	-177.62	162.	-168,231	30.
T. A.F.I.T. WORTH M\$ P 661.542 41 661.542 41 661.542 41 663 315.175 88 347.606 344 302.149 27 223.128 41 157.019	-61.16	-54.174	-20.417	20.
T. A.F.I.T. WORTH M\$ P 63 515.175 63 547.606 88 347.606 44 302.149 27 223.128	190.67	157.019	277.941	10.
T. A.F.I.T. WORTH M\$	277.97	223.128	372.727	σ.
T. A.F.I.T. WORTH MS N MS N	388.87	302.149	486,444	٥.
T. A.F.I.T. WORTH M\$	456.28	7.6	551.988	ហុ
T. A.F.I.T. A.F.I WORTH BONUS M\$ M\$ 41 661.942 1018.	732.21	515,175	793.863	2.
T. A.F.I.T. A.F.I.T. WORTH BONUS M\$ M\$	•	1.74	05.	0.
T. A.F.I.T. A.F.I.T WORTH BONUS M\$ M\$			ND S TABLE	PRESENT WORTH PROFILE A
T. A.F.I.T. A.F.I. WORTH BONUS	- 1	;	1	
T. A.F.I.T. A.F.I.	BONUS	Ξ.	WORTH	
	A.F.I.T	Ξ.	B.F.I.T.	



API No. TD PBTD Operator Well No. ID Code	RAN	CHI								
TD PBTD Operator Well No. ID Code		<u> </u>								
PBTD Operator Well No. ID Code		<u> </u>		27734		Statu			ACT	
Operator Well No. ID Code		-	7850.0 7758.0			Engi	neer		GTL	
Well No. ID Code			BEF			Perm	nit	<u> </u>		
ID Code			4			Spuc			7/5/9	4
		C		LV8.03	<u>_</u>	RR	•		7/19/9	The second of
Field				A RIDG			pletion		7/30/9	
		`	S		-	_ = -111	p. 5 611	į		•
Author			R/	\S		Last	Act.			
Date Upda	ated		1/22	2/98			ndoned			
Comment	S									
Location										
Township			5	022			Latitude		(
D -							Longitu		- 000	
Range				030			NS Dist		660.0	
Section				36			EW Dis		2310.0	
Unit Ltr.				N			m Laut			
State			New	Mexico			NS Dist		0.0	
County				Eddy	-		EW Dis		0.0	
Elevation	ns	 -								
KB			33	10.0 ft		Cas	Fina		0.0) ft
Grd		<u> </u>		92.6 ft			Head		0.0	
KB-Grd				7.4 ft						
Casing S	Strin	a - S			na					
Item			Top	Btm	Jn	ts	ID	Wt	Grd	Thd
(in)		į		(ftKB)		-				i
13 3/8 in S	Surf.	- !	0.0	556.0		12	12.720	48.00	WC-40	STC
Csg.					<u> </u>			<u></u>		
Casing S	Strin	g - I	nterm	ediate	Cas	sing				
Item		-	Top	Btm	Jn		ID	Wt	Grd	Thd
(in)			(ftKB)	(ftKB)						
8 5/8 in In	ter.			3799.0		87	7.921	32.00	WC-50	LTC
Csg.					l			i		
Casing S	Strin	g - F		ction C						
Item			Top	Btm	Jn		ID	Wt	Grd	Thd
(in)				(ftKB)	ļ	لــ				L
5 1/2 in Pr	rod.		0.0	7850.0	1	86	4.950	15.50	K-55	LTC
Csg.	 -	<u> </u>	2001 -	000:5	-	_		0.5-	-	
5 1/2 in D				6004.0			0.000			
5 1/2 in Fl	oat	1	7/58.0	7759.0		1	0.000	0.00		
Collar	٠	on4			<u></u>			1	1	
Casing C				Ton	A	00:	•	C	nments	
Casin	y ətr	шg		Top)	noun	•	COI	unents	
Surface C	asino		1 (1	1KB) 0.0		(sx)	5			
Intermedia	asing ate C	asino	, —	0.0		94				
Production	Cas	asina Sina		2560.0		47	TOO	by tem	sur.	
Production				6001.0		36				
Tubing S	Strin	a - F	rimar	y Tubi	na					
item			Тор	Btn		Jnts	ID	Wt	Grd	Thd
(in)			(ftKB)				(in)			
2 7/8 in Tt	og -	_	0.0			228		11 6.5	0 WC-5	0 8rd
4 61/64 in			6735.0				0.00			
2 7/8 in SI				6855			0.00	0.0		
<u> </u>		ıp _	6855.0				0.00			
2 7/8 in Pe			6859.0	689	1.0		0.00	0.0	00	
				<u> </u>	\perp		1			
2 7/8 in Pe 2 7/8 in M Anch		00	uip., e	tc.) - F	lug	Bac	ks			
2 7/8 in Pe 2 7/8 in M	lugs	, 64			m				Int	
2 7/8 in Pe 2 7/8 in M Anch	lugs	, 64							(ftKB	
2 7/8 in Pe 2 7/8 in M Anch Other (p							_			0EA A
2 7/8 in Pe 2 7/8 in M Anch Other (p Date 7/19/94	4	Cmt	Plug		·——			1	758.0 - 7	030.0
2 7/8 in Pe 2 7/8 in M Anch Other (p	4	Cmt	Plug							
2 7/8 in Pe 2 7/8 in M Anch Other (p Date 7/19/94	4 ions	Cmt	Plug	Int				Shots	Stat	
2 7/8 in Pe 2 7/8 in M Anch Other (p Date 7/19/94 Perforati	4 ions te	Cmt		Int				Shots (/ft)	Stat	
2 7/8 in Pe 2 7/8 in M Anch Other (p Date 7/19/94 Perforati Dat	4 ions te	Cmt	7	In:		4.0		Shots (/ft)		
2 7/8 in Pe 2 7/8 in M Anch Other (p Date 7/19/94 Perforati Dat 7/26/	4 ions te /94 ions	Cmt	7	In: 384.0 -	7404	4.0		Shots (/ft)	State	us
2 7/8 in Pe 2 7/8 in M Anch Other (p Date 7/19/94 Perforati Dat	4 ions te /94 ions	Cmt	7 reatm	In:	7404 al		Fluid	Shots (/ft)	State	

JAMES RANCH UNIT NO. 41 WELL HISTORY

James Ranch Unit No. 41 WELL NAME:

FIELD NAME: Quahada Ridge (Delaware) S.E.

LOCATION: 2310' FWL & 660' FSL, SECTION 36, T22S, R30E, UNIT N,

EDDY COUNTY, NM

ELEV: GL 3298.6'

7/5/94 SPUD DATE:

COMP DATE: 7/30/94

ORIG TD: 7850'

ORIG PBTD: 7757'

CASING: 13-3/8" 48# WC-40 ST&C CSA 555' w/465 sx, cmt circ, 17-1/2" hole 0-556'.

8-5/8" 32# WC-50 LT&C CSA 3799' w/940 sx, cmt circ, 12-1/4" & 11" hole 556-3800'. 5-1/2" 15.5# K-55 LT&C CSA 7850', cmtd 1st stage w/365 sx, open DV tool @ 6001' & circ 83 sx out, cmtd 2nd stage w/470 sx, TOC 2560' (TS), 7-7/8" HOLE 3800-7850'.

2-7/8" EUE 8RD 6.5# J-55 TBG:

DST: NONE

LOGS: 7/18/94: GR-CNL-LTD, GR-DIL-SFL

INITIAL COMPLETION:

7/25/94-9/1/94 PERF & FRAC DELAWARE (7384-7404')

TD 7850'. Tag DV tool @ 6010' & DO. Tag PBTD @ 7757'. Spot

500 gals 7-1/2% HCl + additives 7424-6924'.

Perf 7384-7404', 2 SPF. Acidized w/2000 gals 7-1/2% HCl + 7/26/94

> additives & 60 7/8" 1.3 SG BS. Frac 7384-7404' w/47,500 gals Viking-I XL gel & 280,000# 30/40 Ottawa sd. Tag sd @ 7407'. Bail out sd to 7624'. Swab well. Put on prod. Well prod sd. Tag top of sd @ 7285'. Bail sd to 7555'. Put on prod. Well sanded up. Tag top of sd @ 7245'. Bail sd to 7475'. Spot 500 gals linear gel, followed by 1000 gals 25# Spectra frac gel w/10 ppg 16/30 RC sd (10,000#) + additives. Tag top of sd @ 7232'.

CO sd to 7374'. Put well on prod.

IP: 10/19/94 24 hr F 85 BO, 83 BW, & 48 MCF.

Convert to elect. motor. 4/25/95

7/16/98 Run BH pressure buildup. Submit to Appropriate District Office State Lease ~ 4 copies Fee Lease ~ 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

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

DISTRICT II P.O. Drawer DD, Artesia, NM 56210

DISTRICT III
1000 Rie Brazze Rd., Astee, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	BACE EN	NTERPRISES	Lease	141.55	544044	Weil (fo.
				JAMES	RANCH UNIT	41
Voit Letter N	Section 36	Township 22 SC	Range	30 EAS		County
Actual Footney Loc			018 1	30 243	NMPM NMPM	EDDY
660 (***	4 from the	SOUTH (ine and	23	310		the WEST line
Ground Level Elev	1 4 -	og Formation	Pool	11100		Dedicated Acresge:
3297.4'	NE-	AWARE .	u.c) QUAHAM	REDGE, SE	40 Acres
1. Outline the se	creage dedicate	ed to the subject well	by colored pencil or	hachure marks	on the plat below	•
2. If more than	one lesse is c	dedicated to the well.	outline each and ide	ntify the owners	hip thereof (both	as to working interest and royalty).
	one lease of server pooling.	•	dedicated to the we	il, have the inter	rest of all owners	been consolidated by communitization,
☐ Yes	□ ⋈	fo If answer is	yes type of consol	idation		
this form necess	ary	ers and tract descript				<u> </u>
		ed to the well unit andard unit, eliminat				uitization, unitization, forced-pooiing, on.
						OPERATOR CERTIFICATION
	1			1	•	I hereby certify the the information
·				1		contained herein is true and complete to the best of my knowledge and belief.
				I		
				1 .		Signature O O
				ſ		William R. Newsell
	1			I		W.R. Dannels
 	+-			-+		Position
	1			I	1 1	Div. Drilling Specialist
	1	į		1	1 [Company
	1			ĺ		Bass Enterprises Prod Co.
	1			ľ		9-24-93
	. 1			1		9-24-95
	1			1	1 1	SURVEYOR CERTIFICATION
						I hereby certify that the well location shown
	1			1	1 1	on this plat was plotted from field noise of
.	1		erre sig	1		setual surveys, made by me or under my expervisor, and that the same is true and
	1				1 1	correct to the best of my knowledge and
				1	11	battaf.
1	1			1	1	Date Surveyed
l	1	į.		1		SEPTEMBER 09. 1993
 	+-	+		-+		Signature & Seai of Professional Surveyor
	1				1. 1	GARY L JOAC
	1	1		1		GARY L JONES
	2710.	- 0		1 .	1	THE MEXICS
	 2310'			1	17	Ceresa Della
1	1	F.0		1		3 Janist Char
	1	99,		1		Certificate 100 100 100
						PIGNALO L EIDSM. ST. 1977
0 330 660	990 1320 1	650 1980 2310 264	2000 (5	00 F000	500 0	93-11-1-12

Energy, Minerals and Natural Resources Department

Form C-105 Revised 1-1-29

2mous to Voisobarse	
Diena Cilica	
State Lase - 6 cooiss	
معتبا عدة - عديا عدة	
חומשורדין .	
20 0a= 1080 Hatis	v

OIL	CONS	ERV	ATION	V DI	VISION
•				• • • • •	

P.O. Box 2	880
------------	-----

	A		ا.	
30	-0	15	_2	-

30-	015-	27734	

1.0. 200 1500	1		P.O. Bo	ox 2081	8	<u></u>	30 01.	7-27734	
Drawer DD. Arte	esia. NM 58210	Santa I	e, New Mo	اشت	87504-2088	, , ,	S. Indicate T) pa of Losse	ATE A FEE
ויקדיבד ווו					we that the contract of	<u></u>		& Gas Lases N	
XXX Rio Brazos Rd.							E-5229	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	··
WELL Type of Weil:	COMPLETION	OR RECOMP	STICN RE	PORT	AND LCG				
OIL WELT	CAS WE	±□ DRY □	OTHER_				I. Less Nac	ne or Unit Agn	ocment Name
Type of Completion	:a:	•		٠			James	Ranch Un	iit
MEN X MONT			SEZAK (70 1					:
Name of Operator Bass Enterp	rises Produ	action Co.		· · ·		1	L Well Na. 41		:
Address of Operato P 0 Box 276		Tx 79702-2	2760	•)	Quahad		(Delaware) S.S
Heil Location						· · · · · · · · ·		-	
Unit Loter	N : 2310	Feet From The	West .	:	Line and	660	Feet ?	on the Sot	uth La
	36				.30E	NM		<u> </u>	Comry
2316 Spunded 7-5-94	11. Deca T.D. Rese 7-19-94		Compt. (Recay _4_94	so Prod.		oversons (DF d		λ. με.) [14	L Zav. Cranguesa
7-3-94 Toui Deota	/-19-94 16. Plug Ba			e Comoi		<u>98.6' GR</u>		<u> </u>	able Tools
7850'	7757	· ·	Many Zos	Sin	cle	Listervala Dailes By			,
7 .0010113 [NAVVI(1)), of this completion Delaware	- Top, Bostom, New		:				Y Was Directo NO	cost Survey Made
Type Electric and Ot	ther Logs Rum						T Was We		
GR-CNL-LDT,	GR-DIL-SF		* * 2 :					No	·
	•	CASING R	ECORD	(Repo	rt all string	s set in w	e!!)		
CASING SIZE	WEIGHT L	BUFT. DEP	रत डटा		OLE SIZE		ENTING R	ECORD	AMOUNT PULLE
3 3/8"	48#	! 555			1/2"			⁹ ሰጆ <u>ጸር1"</u> ር	" None
3 5/8" 5 1/2"	1 32#	1 3799		11				<u>07%[]"["</u>	
3 1/4	l 15.5 °	7850 		/	7/8" -	18355X	S 1 1 †	2 CI"C	None
	1	1							
Vone		LINER RECO	RD			1 25.	103	ING RECO	RD
STZE i	TOP	i BOTTOM	i saces ce	MENT !	SCREW		IZ:	DEPTH SI	ET PACKER SET
			1			2 7	73"	7280'	7280
Parity res	ad (interval, sies	and mentals	1		1 77 1011	SHOT E	<u>ا</u> = در ۲۲۰ ک	CEMENT	SQUEEZE, ETC.
Csg gun 2	JSPF @ 120	deg phased		:	ספיוו ואו				MATERIAL USED
irfs 7384-74	404' (41 ho	les)		•	/384-/4)4			Hel acid &
		•		:					ball sealers
				٠.	<u> </u>			47,500 c	
First Production		3	PRODU				20740 U	ttawa sa	ING. (Prod. or Shu-in)
		Production Method (I Flowing	rowers, see th	ب ماسمار	nii - mas ener ijib	- /कक् र		Produ	· _
30-34	Hours Tested	Cors Size	Prod's For		XI - BbL	Gu - MCF	W	uar - BbL	Gas - Oil Ratio
	110000	£	Toss Person		189	135	1 9		714:
a Teas	24	16/64	1					2	- API - (CUT.)
of Tess. 4–94 Tuoing Press.	1	T6/64 Culculated 24- Hour Rais		.:·	G44-MC₹	Ward	- Врг]	40.	
of Test -4-94 Tuoing Press. 0# inposition of Gas (So	Packer	Cucused 24 Hour Rus	Oil - BbL	: 1			1		
-30-94 of Test -4-94 Tuning Press. 10# Imposition of Gas (So. Test & Lease	Packer	Cucused 24 Hour Rus	Oil - BbL				1	40.	

ip in juitiful

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 interest 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 quintuplicane 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 210' T. Penn. "B"... T. Anhy T. Cjo Alamo _ T. Canyon _ 632 T. Sait T. Sanwa _ T. Kirdand-Fmidand T. Penn. "C" T. Pictured Cliffs_ B. Sait_ T. Penn. "D". T. Yates T. Miss _ T. Leadville _ T. Menefee T. Devonian __ T. 7 Rives T. Madison ___ T. Point Lookout __ T. Silurian __ T. Queen _ T. Elbert T. Grayourz T. Mancos ___ T. Montoya _ T. McCraciona T. San Andres T. Gailuo _ T. Simeson _ T. Ignacio Occa-Base Greenhorn_ T. Gioriem _ T. McKee T. Granite _ T. Dakota T. Paddock T. Ellenburger_ T. Morrison _ T. Blinebry _ T. Gr. Wash __ ·T. Todilto ___ T. Tubb T. Delaware Sand 7644 T. Engada T. Drinkard T. Bone Springs_ T. Wingste _ T. Abo T. Chinie _ T. Woifcamo T. Permain T. Penn T. Cisco (Bough C) OIL OR GAS SANDS OR ZONES , i. from 7192 No. 3, from... No. 4, from 7475 IMPORTANT WATER SANDS Include data on rate of water inflow and elevation to which water rose in hole. No. 1, from......for No. 2 from to feet No. 3, from LITHOLOGY RECORD (Attach additional sheet if necessary) Thickness Thickness Libology To Libology From in Foot Medium grained red sand 210' 210' 0 w/interbedded sandy shalles: 4221 6321: 210" Anhyydrite ··· 6321 35591 2927' Salt interbedded w/ anhydrite. 38021 2431 Banded anhydrite w/ 35591 limestone. 431 Shale limestone. 3845' 38021 76441 Sandstone w/some carvonate 37991 3845' 206' Limestone and shale. 76441 73501

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

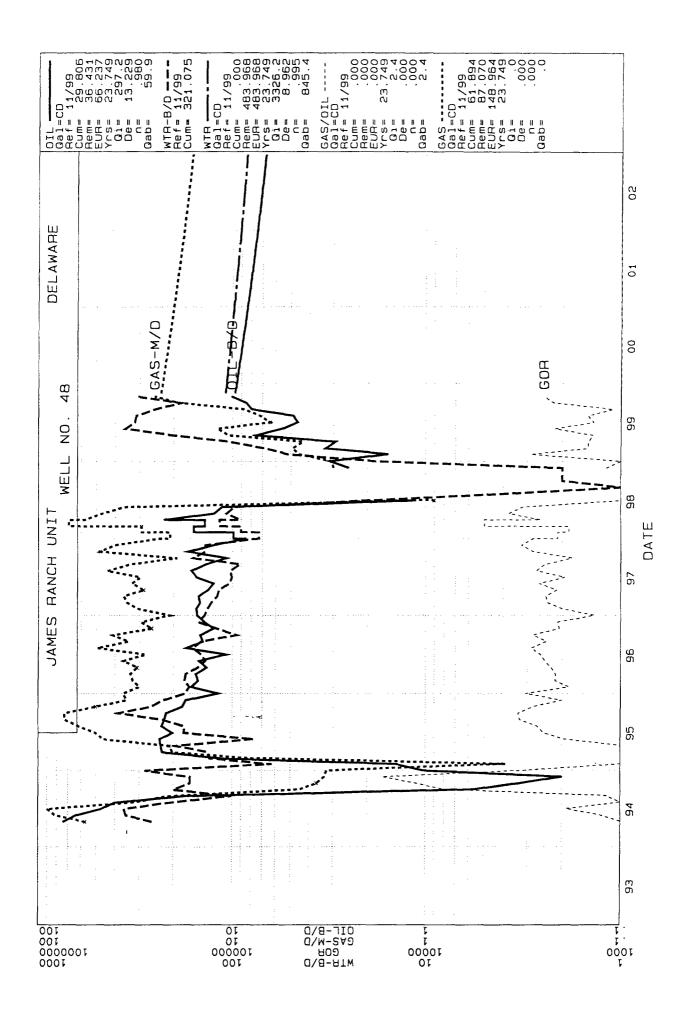
WELL DATA

WELL		JAMES RANCH UNI	1#48		FORMATION		DELAV	VARE
		UNIT, 990						
					-			, NEW MEXICO
		COMPLETION DATE						4/14/94
PERFORATIONS		021-41', 6659-71', 57						
TIMULATION:								
A	CID 7210-22', 1	000 GALS 7 1/2% HC	L; 7021-41', 100	00 GALS 7 1/	2% HCL; 6659-7	I', 500 GA	LS 7 1/2% HCL	i
	5786-5806'	500 GALS 7 1/2% HC	CL					
FF	RACTURE	7210-22', 32,500 C	ALS 30# XL GEL	+ 200,000#	20/40 OTTAWA	SAND	····	
<u></u>		7021-41', 12,500 C	ALS 30# XL GEL	+ 80,000# 2	0/40 OTTAWA S	AND		
		6659-71', 12500 G	ALS 39# XL GEL +	+ 80,000# 20)/40 OTTAWA S	AND		<u></u>
		22' 120 BOPD, 420 B	npleted Well.)		ATION	-11-10-1		
		<u> </u>			ATION			
		<u> </u>	npleted Well.)		ATION SANDS PERF	ORATED		
Attach Copy of C	C-105. Attach Copy of	<u> </u>	npleted Well.)			ORATED 40		40
Attach Copy of C	C-105. Attach Copy of	Wellbore Sketch of Con	opleted Well.)	C CALCULA				40 21.0%
Attach Copy of C	C-105. Attach Copy of	Wellbore Sketch of Con	volumetric	C CALCULA		40		
Area (A) proratio Porosity (por), % Water saturation (on unit size, acres	Wellbore Sketch of Con	volumetric	40 18.0%		40 16.0%		21.0%
Area (A) proration of corosity (por), % Vater saturation (on unit size, acres Sw), % , ft.	#0 16.0%	volumetric	40 18.0%		40 16.0% 50%		21.0%
Area (A) proration of corosity (por), % Water saturation (Net Thickness (h),	C-105. Attach Copy of unit size, acres Sw), % , ft. Fahrenheit		volumetric	40 18.0% 50%		40 16.0% 50%		21.0% 55%
	cr. 105. Attach Copy of unit size, acres Sw), % , ft. Fahrenheit sure (P), psia	40 16.0% 63% 20 °	volumetric	40 18.0% 50% 18		40 16.0% 50% 11 115		21.0% 55% 11 110

PERFORMANCE DATA

				· · · · · · · · · · · · · · · · · · ·	
(If sufficient history exists, a	ttach plot of oil production ra	ate v time.)		-	
CUMULATIVE PRODUCT	ION TO 11/3	0/99;	29806 BBLS		
INITIAL RATE (qi)	-		297		
ECONOMIC LIMIT (ql)	-		60		
DECLINE RATE, dy (Hyper	rbolic, n=.98)	1:	3.23%		
REMAINING OIL (Q) =	<u>-</u>	2	9494		
ULTIMATE RECOVERABL	E OIL	5	9300		
(Attach plat showing prorati	ion unit and participating area	.)			
		ECC	DNOMIC		
WELL COST \$	570,000 (to the depth	of formation completed)			
RECOMPLETION COST \$	41,000				
TOTAL COST \$	611,000				
YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW	
ZERO	0	0	0	-611,000	
1	7,500	118,200	56,600	59,100	
2	6,600	124,000	62,300	54,100	
3	5,300	124,900	55,300	55,100	
4	5,000	113,700	49,200	46,300	
5	3,800	65,100	37,400	18,000	
6	1,300	25,200	46,700	-12,600	
7	3,300	85,200	29,200	29,800	
8	2,900	64,700	26,800	18,200	
9	2,600	54,600	25,900	12,500	
10	2,300	47,400	25,200	8,800	
REMAINDER	18,700	377,000	277,600	26,300	

WELL IS NOT COMMERCIAL



721 OWN/RI	720 LSE/RIC	701 OWN/WI	700 LSE/WI	570 PRI/GAS 575 PRI/OIL	565 ATX	555 STX/OIL 560 STX/GAS	550 OPC/T	544 PRI/WTR 545 "	539 "	538 *	2 7 7 F					531 PRI/GAS	t	726 =	л ц л н						ייייייייייייייייייייייייייייייייייייי		516 PRI/OIL	435 START	#30	425 WTR	420 GAS/OIL	± LU	410 OIL	405 START	ITEM	
. 0000	12.5000	100.0000	100.0000	1300 9100	.17	7.08 7.93	1600.00	.5000	2.57	2.58	2	2.11	2.59	2.61	1.94	1.8900		18 13	10 10	10.07	24.94	19.25	10 25	20.74	20.20	18.39	16.8800	3/94	1007.10	3326.20	2.39	100.00	297.22	11/99	SCHEDULING RATES	; ; ; ; ; ; ; ;
ם	a	ט	ם	1300 9100	×	××	×	. 5000 X	×	×÷	× >	: ×	: ×	×	×	×	;	× ;	< >	< >	< >	: >	< >	< >	< >	: ×	×		>	×	2.3	>	* ×		RATE	! ! !
οto	*	مد	οψο	0 \$/M 0 \$/B	dip	ote ote	\$/M	0 \$/U \$/U	S/M	S (X	Λ 4/3 X 3	S/M	× × ×	S/M	S/M	\$/M	ť	۸ ر ا	۰ را د د د	0 0	מ לו	ט פ	n 4/	c 4/) t	\$/B	\$/B		5/3	M/B	9 M/B	7	B/M		1 60	H
TO LI	TO 1.1	TO LI	TO LI	TO LI	TO LI	TO LI	TO LI	1/2000 AD TO LI			1/2000 AD					1/95 MM		T.1										<u>.</u>	223.47 IMO		01/2097 AD	10.34 IMO			SCHEDULE UNTIL	VPUT DAT
LIFE	LIFE	LIFE	LIFE	LIFE	TIFE	LIFE	TIFE	AD LIFE	TIFE	•		, .				XX/WW	t	1.175			, .	, .				, ,	XX/WW		ā	•	Ü	ā			TIL	Α
FLAT	FLAT	FLAT	FLAT	Ođ Ođ	ЪС	DQ Oq	SCH	0 d	Dd.	Dd 04	ט כ	, PC) C	od Od	PC	Od	ć	D C	מ ל	ָרָי ל	16	, re	ה	ָרָלָ מילי	ָר ה	PC	D.		EAT.	H/0.995	LIN	DAT.	H/0.980		PROCEDURE	t 1 2 1 1 1 1
.00	. 00	. 00	. 00	. 00	. 00	. 00	OPC	.00	. 00	. 00		. 00	. 00	. 00	. 00	. 00					. 00				. 00	. 00	. 00		0.00	8.96	HIME	0.00	13.23		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1
																											٠		400.900	258.501		00.237	55.695		ULTIMATE	1 1 1 1 1 1 1 1
7/23	7/23	7/23	7/23	7/23 7/23	7/23	7/23 7/23	7/23	2/94 12/95	7/23	12/01	12/00	12/98	12/97	12/96	12/95	7/23	1/20	7/22	12/02	12/01	12/01	12/99	12/98	12/00	12/23	7/23	7/23		1/23	9/08	12/96	7/23	7/12		LAST	CAL
																													0.00	8.96		0.00			EFF. DECL	CULAT
	.125	1.000	1.000	~.130 910	.002	.071 .079	1600.000	.500	2.570	2.580	2.270	2.110	2.590	2.610	1.940	1.890	F 0 . F 10 C	001.01	19.200	20.670	24.940	19.250	10 350	20.740	22.260	18.390	16.880		Tana.	3326.		F02.	297.		INIT. RATE	ED DAT
	.125	1.000	1.000	2.570 18.130	.002	.071	1600.000	.500 1.940	2.570	2 580	2.270	2.110	2.590	2.610	1.940	1.890	1	0 0	19.200	20.670	24.940	19.250	10 250	20.740	22.260	18.390	16.880		α ι υ.	1809.		о С.	105.		AL RA	A

		 G	OTHER QUAL :	отні	365. CD	.*600 DISC. FREQUENCY :	DISC.	1*10 38*12 1*600 10.0 DISC	TIME FRAMES : PW %-AGE : PROD QUAL :	MPTIONS : 3/94 : 3/94 : 3/94	PROJECT ASSUMPTIONS BASE DATE : 3/9 P.W. DATE : 3/9 REPORT DATE : 3/9
	,					CUML, MB		61.89	CUMG, MMF	NO 29.81	201 LOSS N 205 CUMO, MB 210 LOSS N
						ITEM			ITEM	METERS	RESERVE PARAMETERS
570.0 41.0 -24.0	570.0 41.0 -24.0		3/94 3/94 3/94 7/23	570.000 41.000 -24.000			AD AD LIFE	03/94 03/94 TO	330.00 M\$G 41.00 M\$G .00 M\$G	240.00	800 DRILL 801 WORKOVER 802 SALVAGE
ESC. T&I&R	&R	RISK INV.	MONTH	TOTAL T&I		PROCEDURE		TIME	TANGIBLES & INTANGIBLES	TANGIBLES	INVESTMENT
			2/00 2/00 2/00	30.110 62.649 321.075					#	P.OIL OIL # P.GAS GAS # P.WATER WTR	
FINAL RATE	INIT. RATE	EFF. DECL	LAST	ULTIMATE	(((((PROCEDURE	UNTIL	SCHEDULE UNTIL	G RATES	SCHEDULING RATES	OVERLAYS
			7/23		. 00	FLAT	LIFE	TO	J	.0000	761 OWN/ORR
.125	.125		7/23 7/23		.00	FLAT FLAT	LIFE	70	U U	12.5000	740 LSE/RIG 760 LSE/ORR

DATE : 02/08/00
TIME : 07:52:24
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 3

RESERVES AND ECONOMICS EFFECTIVE DATE: 3/94

DATE : 02/08/00
TIME : 07:52:24
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 3

AFTER TAX ECONOMICS

PRESENT WORTH @ 10.00 \$ 30) NET INCOME 31) INVESTMENTS & RISK 32) A.F.I.T. NET 33) CUM. A.F.I.T. NET	20) REVENUE-SEV-WPT 21) - OPR. COSTS & ATX 22) + NPI OWNED - PAID 23) - F.I.T. 24) = A.F.I.T. 25) - LOAN REPAYMENT 26) - INTEREST PAID 27) = NET INCOME 28) - INVESTMENTS & RSK 29) = A.F.I.T. NET	TAX CALCULATIONS, M\$	PERIOD ENDING TAX TREATMENT OF INVESTMENTS, MS TOTAL TREATMENT OF INVESTMENTS, MS TOTAL TREATMENT OF INVESTMENTS, MS TOTAL TREATMENT OF INVESTMENTS, MS TOTAL TREATMENT OF INVESTMENTS, MS TOTAL TREATMENT OF INVESTMENTS, MS TOTAL TREATME
172.6 611.0 -438.4 -438.4	109.7 48.1 .0 -118.3 179.9 .0 .0 .179.9 611.0	118.2 8.5 0.0 48.1 0.0 371.0 28.6 -338.0 0 35.0 35.0	12/94
51.9 .0 51.9 -386.5	115.1 53.3 .0 2.5 59.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	124.0 9.0 53.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/95
48.3 48.3 338.2	115.8 46.2 8.7 60.9 .0 60.9	124 9,19 46,40 10 24,8 10 24,8 10 10 10 10 10 10 10 10 10 10 10 10 10	.0
38.1 .0 38.1 -300.1	105.4 405.4 111.4 53.2 53.2 53.2	113.7 40.8 40.8 32.0 32.0 32.6 32.6	12/97 .0 .0
16.9 .0 16.9 -283.2	60.3 32.6 1.7 26.0 26.0 26.0	65.1 4.8 32.6 22.0 0 22.9 4.8 1.0 1.0	2/97 12/98 12/98 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
-3.8 .0 -3.8 -287.0	23.4 44.9 -6.5 -6.5 -6.5 -6.5	25.2 1.8 44.9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/99
23.3 .0 23.3 -263.7	79.1 23.0 12.1 43.9 .0 .0 43.9 .0 43.9	85.2 6.2 23.0 23.0 0 12.1 85.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	12/00
14.2 .0 14.2 -249.5	60.0 22.1 8.3 29.6 .0 29.6 29.6	64.7 4.7 22.1 0 0 114.3 23.6 23.6 23.6 35.0 0 8.3	12/01
8.1 .0 8.1 -241.3	50.6 21.8 .0 10.1 18.7 .0 .0 .0 .0 .18.7	54.6 4.0 21.8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/02
5.7 .0 5.7 -235.6	43.9 21.7 .0 7.8 14.5 .0 .0 14.5	47.4 3.5 21.7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0
375.4 611.0 -235.6	763.3 354.5 .0 .70.8 479.6 .0 .0 479.6 611.0	823.0 59.7 0 354.5 371.0 240.0 -202.2 0 -202.2 35.0 0 -202.2	S TOT 371.0 240.0
17.1 -2.6 19.7 -215.9	349.5 250.0 34.8 64.7 .0 64.7 -24.0 88.7	377.0 27.5 250.0 250.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	AFTER .0 .0 .0 .0 .0 .0 .0
392.5 608.4 -215.9 -215.9	1112.8 604.6 .0 -36.0 544.2 .0 544.2 587.0 -42.8	1200.0 87.2 87.2 604.6 .0 371.0 240.7 -102.7 -102.7 35.0 .0	22.3 YR TOTAL 371.0 .0 216.0

JAMES RANCH UNIT #48 PREPARED BY: KENT ADAMS

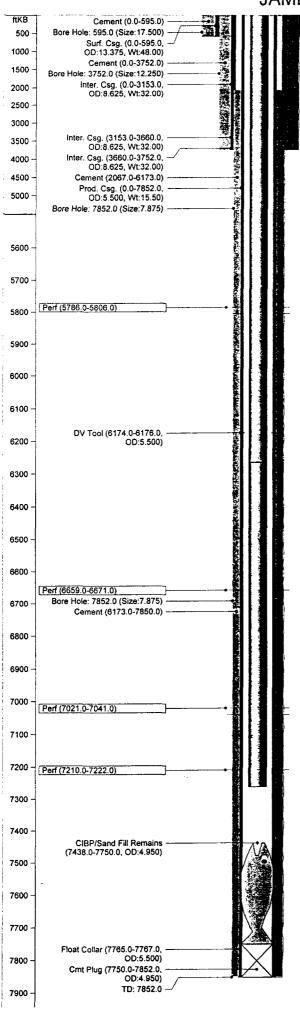
DATE : 02/08/00
TIME : 07:52:24
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 3

}

ECONOMIC INDICATORS

AS OF DATE: 3/94

DISCOUNTED NET/INVEST.	UNDISCOUNTED NET/INVEST.	DISCOUNTED PAYOUT, YRS.	UNDISCOUNTED PAYOUT, YRS.	RATE OF RETURN, PCT.	100.	80.	70.	60.	50.	40.	20.	10.	8.	6.	5.	2.	0.	PRESENT WORTH PROFILE AND RATE-OF-RETURN VS. BONUS TABLE			
.52	r87	. 22.33	RS. 22.33	. 0	-542.301	•				-456 ₋₂₄₅	-384,450	-292.862	-264.689	-231.096	-211.791	-140.715	-78.725	AND NUS TABLE	M\$	WORTH	B.F.I.T.
.65	.93	22.33	22.33	. 0	-463.976	-444.031	-431.492			-342.306 -374.297	•	-215.948	-192.547	-165.013		-92.177	-42.771	-	M\$	WORTH	A.F.I.T.
					-485.993		-459.005	-446.502	-431.044	-383.844 -411.120				-217.079	-200.018	32	-65.802		M\$	ζ	A.F.I.T.



ICH ONT F							
JAMES RANCH							
API No.	30015			atus		_ACT C	
TD DETC	7852.0		En	gineer		GTL	·
PBTD	7750.0	TIKE					
Operator Well No.	BEP 4			rmit		2/3/9	
	41 CHCLDL		Sp RF			2/3/9/	
	ABIN LA			mpletio		6/23/9	
Author	RA			st Act.		0/20/3	<u></u>
Date Updated	1/23			andone	d		
Comments							
Location							
Township		022	To	p Latitud	ie	C	<u> </u>
				p Longit		Č	
Range	E	030	То	p NS Di	stance	990.0	
			То	p EW D	istance	330.0	
Section		12		ttom La		0)
Unit Ltr.		М		ttom Lo		0)
State	New	Mexico	Btr	n NS Di	stance	0.0	ft
County	E	ddy	Btr	n EW D	istance	0.0	ft
Elevations							
KB	334	44.5 ft	Ca	s Fing		0.0) ft
Grd		25.2 ft	Tul	Head		0.0	ft
KB-Grd	19	9.3 ft					
Casing String -		e Casi					
tem	Тор	Btm	Jnts	ID	Wt	Grd	Thd
(in)		(ftKB)	1				
13 3/8 in Surf.	0.0	595.0	13	12.72	48.00	H-40	STC
Csg.	<u> </u>					L	
Casing String -	,						
tem	Тор	Btm	Jnts	ID	Wt	Grd	Thd
(in)	(ftKB)				4 00 00	100 ==	
3 5/8 in Inter.	0.0	3153.0	71	7.92	21 32.00	WC-50	LTC
Osg.	2452.2		46		4 00 00		
3 5/8 in Inter.	3153.0	3660.0	12	7.92	32.00	K-55	LTC
Osg.	0000	07500		7.00	4 20.00	14/0 50	1.70
3 5/8 in Inter.	3660.0	3/52.0	2	7.92	32.00	WC-50	LTC
Osg.	D	4:					
Casing String -	·				1874		
tem	Top	Btm	Jnts	ID	Wt	Grd	Thd
(in) 5 1/2 in Prod.	(ftKB)	7852.0	188	4.95	0 15.50	K-55	LTC
5 172 in Prod. Osg.	0.0	7052.0	100	4.95	15.50	K-35	LIC
5 1/2 in DV Tool	6174.0	6176.0		0.00	0.00	<u> </u>	
5 1/2 in Float	7765.0			0.00			
		, , 0, .0	: 1	0.00	0.00	1 1	
Collar					1		
						L	
Casing Cement		- Fon	Amou	ınt i	Cor	nmente	
		Гор	Amou (sx)	1	Cor	nments	
Casing Cement Casing String		tKB)	(sx)		Cor	nments	
Casing Cement Casing String Surface Casing	(fi	0.0	(sx)	1	Cor	nments	
Casing Cement Casing String Surface Casing ntermediate Casir	(fi	0.0 0.0	(sx)	545 525			
Casing Cement Casing String Surface Casing Intermediate Casin Production Casing	(fi	0.0	(sx)	545 525	Cor		
Surface Casing Intermediate Casin Production Casing Production Casing) (fi	0.0 0.0 0.0 2067.0 6173.0	(sx)	545 525 575 TO			
Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Production Casing Tubing String -) (fi	0.0 0.0 0.0 2067.0 6173.0	(sx) 10 :	545 525 575 TO	C by temp) sur	Thd
Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Production Casing Tubing String - Item	g (fi	0.0 0.0 2067.0 6173.0 y Tubi	(sx)	545 525 575 TO	C by temp) sur	Thd
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Tubing String - tem in)	(fing) Primar	0.0 0.0 2067.0 6173.0 y Tubi Btm (ftKB	ng Jnt	545 525 575 TO 300	C by temp	sur Grd	<u> </u>
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production String Tubing String tem in) 27/8 in Tbg.	g Primar Top (ftKB)	0.0 0.0 2067.0 6173.0 y Tubi Btm (ftKB	(sx)	545 525 575 TO 300 s IE (in	C by temp	Grd	<u> </u>
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Tubing String tem in) 2 7/8 in Tbg.	Primar Top (ftKB)	0.0 0.0 2067.0 6173.0 y Tubi Btm (ftKB 0 7262	(sx)	545 525 575 TO 300 s IE (in	C by temp Wt	Grd 0 J-55	<u> </u>
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Tubing String - Item In) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN	Primar Top (ftKB) 0.0 6263.0 7262.0	0.0 0.0 2067.0 6173.0 y Tubi 8tm (ftKB 0 7262 0 6266	(sx)	545 525 575 TO 300 s IE (in 34 2.4	C by temp Wt 1) 1441 6.5	Grd 0 J-55	<u> </u>
Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Production Casing Tubing String - Item Item Item Item Item Item Item Item	Primar Top (ftKB) 0.0 6263.0 7262.0	0.0 0.0 2067.0 6173.0 y Tubi 8tm (ftKB 0 7262 0 6266	(sx) 10 10 10 10 10 10 10 10 10 1	545 525 575 TO 300 s IE (in 34 2.4	C by temp Wt 1) 1441 6.5	Grd 0 J-55	<u> </u>
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Tubing String Item In) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN Other (plugs, ed	Primar Top (ftKB) 0.0 6263.0 7262.0	0.0 0.0 2067.0 6173.0 y Tubi 8tm (ftKB 7262 6266 7263	(sx) 10 10 10 10 10 10 10 10 10 1	545 525 575 TO 300 s IE (in 34 2.4	C by temp 0 Wt 1) 1441 6.5 1000 0.0 1000 0.0	Grd 0 J-55 0 lnt (ftKB)	8rd
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN Other (plugs, ed) Date	Primar Top (ftKB) 0.0 6263.0 7262.0	0.0 0.0 2067.0 6173.0 y Tubi (ftKB) 7262 0 7263 tc.) - P	(sx)	545 525 575 TO 300 s IE (in 34 2.4	C by temp 0 Wt 1) 1441 6.5 1000 0.0 1000 0.0	Grd 0 J-55 0 lnt (ftKB)	8rd
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Tubing String - tem in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN Other (plugs, ed) Date 10/8/96 CIE 2/17/94 Cm	Primar Top (ftKB) 6263.0 7262.0	0.0 0.0 2067.0 6173.0 y Tubi (ftKB) 7262 0 7263 tc.) - P	(sx)	545 525 575 TO 300 s IE (in 34 2.4	C by temp Wt 1) 441 6.5 000 0.00 74	Grd 0 J-55	8rd) 750.0
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Tubing String - tem in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN Other (plugs, ed) Date 10/8/96 CIE 2/17/94 Cm	Primar Top (ftKB) 6263.0 7262.0 quip., e	0.0 0.0 2067.0 6173.0 y Tubi (ftKB) 7262 0 7263 tc.) - P	(sx)	545 525 575 TO 300 s IE (in 34 2.4	C by temp Wt 1) 441 6.5 000 0.00 74	Grd 0 J-55 0 Int (ftKB)	8rd) 750.0
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Tubing String - tem in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN Other (plugs, ed) Date 10/8/96 CIE 2/17/94 Cm	Primar Top (ftKB) 6263.0 7262.0 quip., e	0.0 0.0 2067.0 6173.0 y Tubi (ftKB) 7262 0 7263 tc.) - P	(sx) 10 10 10 10 10 10 10 10 10 10 10 10 10	545 525 575 TO 300 s IE (in 34 2.4	C by temp Wt 1) 441 6.5 000 0.00 74	Grd 0 J-55 0 Int (ftKB)	8rd) 750.0 852.0
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Trubing String 1 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN Other (plugs, ed) 10/8/96 2/17/94 Cm Perforations Date	Primar Top (ftKB) 0.0 6263.0 7262.0 quip., e	tKB) 0.0 0.0 2067.0 6173.0 y Tubi Btm (ftKB) 7262 6266 7263 tc.) - P Ite	(sx) 10 10 11 11 11 11 11 11 11 11 11 11 11	545 525 575 TO 300 s IE (in 34 2.4	C by temp Wt 1) 441 6.5 000 0.0 000 0.0 74 77 Shots (/ft)	Grd 0 J-55 0 0 Int (ftKB) 138.0 - 77 50.0 - 78	8rd) 750.0 852.0
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Tubing String 1 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN Other (plugs, ed) 10/8/96 CIE 2/17/94 Cm Perforations Date 3/22/94	Primar Top (ftKB) 0.0 6263.0 7262.0 quip., e	tKB) 0.0 0.0 2067.0 6173.0 y Tubi Btm (ftKB 7262 6266 7263 tc.) - P Ite	(sx) 10 10 10 10 10 10 10 10 10 10 10 10 10	545 525 575 TO 300 s IE (in 34 2.4	C by temp Wt 1) 441 6.5 000 0.0 000 0.0 74 77 Shots (/ft)	Grd 0 J-55 0 0 (ftKB) 138.0 - 77 50.0 - 78	8rd) 750.0 852.0
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Tubing String - tem in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN Other (plugs, ed) Date 10/8/96 CIE 2/17/94 Cm Perforations Date 3/22/94 3/23/94	Primar Top (ftKB) 0.0 6263.0 7262.0 quip., e	tKB) 0.0 0.0 2067.0 6173.0 y Tubi Btm (ftKB) 7262 6266 7263 tc.) - P Ite	(sx) 16 17 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	545 525 575 TO 300 s IE (in 34 2.4	C by temp Wt 1) 441 6.5 000 0.0 000 0.0 74 77 Shots (/ft)	Grd 0 J-55 0 0 (ftKB) 138.0 - 7 750.0 - 78	8rd) 750.0 852.0
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Tubing String - tem in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN Other (plugs, ed) Date 10/8/96 CIE 2/17/94 Cm Perforations Date 3/22/94 3/23/94 3/24/94	Primar Top (ftKB) 0,0 6263.0 7262.0 quip., e	tKB) 0.0 0.0 2067.0 6173.0 y Tubi Btm (ftKB) 7262 6266 7263 tc.) - P Ite Fill Ren 210.0 221.0 6559.0 - 6	(sx) 16 17 18 19 10 10 10 10 10 10 10 10 10	545 525 575 TO 300 s IE (in 34 2.4	C by temp (1) (1) (441 6.5 (500 0.0 (500 0.0 (74 (77 (77 (77) (77) (77) (77) (77) (7	Grd 0 J-55 0 Int (ftKB) 138.0 - 7 50.0 - 78	8rd) 750.0 852.0
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Production Casing Tubing String - Item In In Item I	Primar Top (ftKB) 0.0 6263.0 7262.0 quip., e	tKB) 0.0 0.0 2067.0 6173.0 y Tubi Btm (ftKB 7262 6266 7263 tc.) - P Ite Fill Ren 210.0 221.0 659.0 - 6786.0 -	(sx) 16 17 18 19 10 10 10 10 10 10 10 10 10	545 525 575 TO 300 s IE (in 34 2.4	C by temp (1) (1) (441 6.5 (500 0.0 (500 0.0 (74 (77 (77 (77) (77) (77) (77) (77) (7	Grd 0 J-55 0 0 (ftKB) 138.0 - 7 750.0 - 78	8rd) 750.0 852.0
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Production Casing Production String - Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN Other (plugs, ed) Date 10/8/96 CIE 2/17/94 Cm Perforations Date 3/22/94 3/23/94 3/24/94 6/23/94 Stimulations &	Primar Top (ftKB) 0.0 6263.0 7262.0 quip., e	tKB) 0.0 0.0 0.0 2067.0 6173.0 y Tubi Btm (ftKB) 7263 tc.) - P Ite Fill Ren 210.0 - 1 2559.0 - 6 786.0 - 5 ents	(sx) 16 17 18 19 10 10 10 10 10 10 10 10 10	545 525 575 TO 300 S IE (in 34 2.4 0.0 0.0 acks	C by temp Wt 1) 441 6.5 000 0.0 000 0.0 74 77 Shots (/ft)	Grd 0 J-55 0 0 Int (ftKB) 38.0 - 7 50.0 - 70 Statu	8rd) 750.0 852.0
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Production Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN Other (plugs, ed) Date 10/8/96 CIE 2/17/94 Cm Perforations Date 3/22/94 3/23/94 3/23/94 6/23/94 Stimulations & Date Type	Primar Top (ftKB) 0.0 6263.0 7262.0 quip., e	tKB) 0.0 0.0 2067.0 6173.0 y Tubi Btm (ftKB) 7263 tc.) - P Ite Fill Ren 210.0 - 1 255.0 - 6 786.0 - 5 ents Interv	(sx) 16 17 18 19 10 10 10 10 10 10 10 10 10	545 525 575 TO 300 s IE (in 34 2.4	C by temp Wt 1) 441 6.5 000 0.0 000 0.0 74 77 Shots (/ft)	Grd 0 J-55 0 Int (ftKB) 138.0 - 7 50.0 - 76 Statu	8rd) 750.0 852.0
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Production Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN Other (plugs, ed) Date 10/8/96 CIE 2/17/94 Cm Perforations Date 3/22/94 3/23/94 3/23/94 Stimulations & Date Type I/23/94 Sand Frac	Primar Top (ftKB) 0.0 6263.0 7262.0 quip., e	tKB) 0.0 0.0 2067.0 6173.0 y Tubi Btm (ftKB) 7263 6266 7263 tc.) - P Ite Int 210.0 - 7 559.0 - 6 786.0 - 9 ents Interval	(sx) 10 10 10 10 10 10 10 10 10 10 10 10 10	545 525 575 TO 300 S IE (in 34 2.4 0.0 0.0 acks	C by temp Wt 1) 441 6.5 000 0.0 000 0.0 74 77 Shots (/ft)	Grd 0 J-55 0 0 Int (ftKB) 38.0 - 7 50.0 - 70 Statu	8rd) 750.0 852.0
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Production Casing Trubing String 1 748 in Tbg. 1 7/8 in TAC 1 7/8 in SN 1 7/8 in SN 1 7/8 in SN 1 7/8 in SN 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN 3 10/8/96 3 10/8/96 3 10/8/94 3 1	Primar Top (ftKB) 0.0 6263.0 7262.0 quip., e	Control Cont	(sx) 16 17 18 19 10 10 10 10 10 10 10 10 10 10 10 10 10	545 525 575 TO 300 S IE (in 34 2.4 0.0 0.0 acks	C by temp Wt 1) 441 6.5 000 0.0 000 0.0 74 77 Shots (/ft)	Grd 0 J-55 0 0 Int (ftKB) 38.0 - 7 50.0 - 70 Statu	8rd) 750.0 852.0
Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Production Casing Production Casing Production Casing Tubing String - Item In	Primar Top (ftKB) 0.0 6263.0 7262.0 quip., e	tKB) 0.0 0.0 2067.0 6173.0 y Tubi Btm (ftKB) 7263 6266 7263 tc.) - P Ite Int 210.0 - 7 559.0 - 6 786.0 - 9 ents Interval	(sx) 16 17 18 19 10 10 10 10 10 10 10 10 10 10 10 10 10	545 525 575 TO 300 S IE (in 34 2.4 0.0 0.0 acks	C by temp Wt 1) 441 6.5 000 0.0 000 0.0 74 77 Shots (/ft)	Grd 0 J-55 0 0 Int (ftKB) 38.0 - 7 50.0 - 70 Statu	8rd) 750.0 852.0

JAMES RANCH UNIT #48 WELL HISTORY

WELL NAME: James Ranch Unit No. 48

FIELD NAME: Cabin Lake (Delaware)

330' FWL & 990' FSL, SEC 12, T22S, R30E, UNIT M, LOCATION:

Eddy County, NM

ELEV: 3328.4' GL

SPUD DATE: 2/3/94

COMP DATE: 2/18/94 (RR)

ORIG TD: 7852'

7750' (Tag 3/22/94) ORIG PBTD:

CASING: 13-3/8" 48# H-40 ST&C CSA 595' w/545 sx, TOC 224' (TS), cmtd w/295 SX, cmt circ, 17-

1/2" hole 0-595'.

8-5/8" 32# WC-50 & K-55 LT&C CSA 3752' w/1625 sx, cmt circ. 12-1/4" 595-3752'. 5-1/2" 15.5# K-55 LT&C CSA 7852', cmtd 1st stage w/300 sx, DV Tool @ 6174', circ 70 sx off DV tool, cmtd 2nd stage w/375 sx, est TOC @ 2067', 7-7/8" hole 3752-7852'.

2-7/8" 6.5#/FT J-55 TBG:

DST:

CORES & LOGS:

INITIAL COMPLETION

3/22/94-6/24/94

Tag **PBTD @ 7750'.** Rev circ w/200 bbls 2% KCL FW.

Perf 7210-22', 2 SPF. Acidize w/1000 gals 7-1/2% HCL acid & 3/22/94 additives w/friction reducer. Disp w/42 bbls 2% KCL FW & BD perfs 7210-22'. Form broke @ 2393#. Frac perfs 7210-22' w/32,500 gals

30# x-linked fluid & additives & 200,000# 20/40 Ottawa sd.

Perf 7021-41', 2 SPF (41 holes). Set RBP @ 7159'. Acidize w/1000 3/23/94

gal 7-1/2% HCL acid & additives & friction reducer. Disp w/41 bbls 2% KCL FW. Form break @ 2500#. Frac perfs w/2500 gal x-linked pad, 2000 gals x-linked & sd, but blender malfunctioned & could not monitor sd concentrations. Attempt to rev tbg clean. Pmpd 2 BPM w/little or no returns. Disp 65 bbls 2% KCL FW into form to clear

INITIAL COMPLETION

Frac perfs 7021-41' w/12,500 gals 30# x-linked fluid +

additives & 80,000# 20/40 Ottawa sd.

Perf 6659-6671', 2 SPF (25 holes). Set RBP @ 6816'. Set pkr @ 3/24/94 6738'. Spot 500 gals 7-1/2% HCL + additives & friction reducer.

> Form broke @ 2600#. **Frac** perfs 6659-71' Disp w/2% KCL FW. w/12,500 gals x-linked 30# fluid + additives & 80,000# 20/40 Ottawa sd. Bail sd from RBP @ 6816', latch onto same & POH. Bail sd from RBP @ 7159' & latch onto same. POH w/RBP. Install prod. equip. Test: 4-15-94 P 110 BOPD, 558 BWPD, 282 MCFPD. Set RBP @ 7148' & top dump 1-1/2 sx sd for 10' of fill on RBP. Place well on prod.

Bail sd to top of RBP @ 7148'. Rel RBP & reset @ 6806'

JAMES RANCH UNIT NO. 48 WELL HISTORY

INITIAL COMPLETION (CONT.)

w/1-1/2 sx sd for 10' of sand fill on top. Bail sd from RBP @ 6806'. Rel & POH w/RBP. Set CIBP @ 6700'. Top dump 15 sx 12/20 frac sd for 105' of fill on CIBP. New PBTD 6595'. Spot 500 gals 7-1/2% HCl acid & additives across interval 5819-5319'.

6/23/94 **Perf** 5786-5806', 4 SPF (20 shots). Pump spot acid away. Swab well. Run prod equip & place on prod.

IP: 08-17-94 24 hr P 27 BO, 182 BW, 27 MCF.

WORKOVERS

02-07-95

INSTALLED SW TRANSFER LINE

Installed $\pm 22,000'$ 3" poly pipe to JRU #29 for disposal to Legg Federal #1. Set & tie in transfer pump. Install electrical power. SWD transfer on @ 2:00 p.m. on 2/7/95.

04-07-95 HOLE IN POLISH ROD LINER.

04-12-95 ROD PUMP FAILURE.

Tag sd fill @ $\pm6570'$. Bail sd or fill to 6604'. Hit hard spot & progress stopped. Drill, wash & ream very hard sd 6604-6676' (btm perf interval 6659-71'). Drill & bail sd 6676' to CIBP @ 6700'. Run prod. equip. Place well on prod.

AWO: 8/1/95 24 hrs P 24 BO, 200 BW, 73 MCF.

8/30/95 HOLE IN POLISH ROD LINER.

10/16/95 ROD PART.

12/7/95 ROD PART.

12/21/95 ROD PART.

1/24/96 ROD PART

5/14/96 ROD PART

10/3/96 to 10/10/96

DRILL OUT CIBP & COMMINGLE ZONES

Tag fill @ 6659' (41' above CIBP). Bail fill to tag CIPB @ 6700'. Bail and mill on CIBP w/no progress. POH & RIH w/re-dressed mill shoe w/cutrite on ID and btm w/bull dog bailer. Attempt to rotate and drill on CIBP w/no progress. Continue to work on CIBP w/no progress. POH & RIH w/re-dressed mill shoe & bull dog bailer. Tag CIBP @ 6700'. Rotate on CIBP and came free. Push CIBP to sand fill @ 7438' (PBTD @ 7750', btm perf @ 7722'. RIH w/prod eqpt & hang on. Avg rate after work: 16 BOPD, 258 BW & 29 MCF.

RAS 2/9/00

PERATOR'S COPY

Form 3160-4 (October 1990) OMB NO. 1004-0137 Expires: December 31, 1991 DEPARTMENT OF THE INTERIOR dructions on LEASE DESIGNATION AND SERIAL NO. BUREAU OF LAND MANAGEMENT NMNM-0300 6. IF INDIAN. ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORTAND .OG * IL TYPE OF WELL: WELL X 7. UNIT AGREEMENT NAME L TYPE OF COMPLETION: JAMES RANCH UNIT WORK __ WEILL X EN DEEL-DIFF. BENYR 8. FARM OR-LEASE NAME, WELL NO. Other 2. NAME OF OPERATOR JAMES RANCH UNIT #48 9. API WELL NO. A BASS ENTERPRISES PRODUCTION CO 3. ADDRESS AND TELEPHONE NO. 30-015-27791 10. FIELD AND POOL, OR WILDCAT P O BOX 2760; MIDLAND, TX 79702-2760
4. LOCATION OF WELL (Report location clearly and in accordan CABIN LAKE (DELAWARE) At surface Mexico 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 330' FWL & 990' FSL OF UNIT At top prod, interval reported below SECTION 12, T22S, R30E At total depth SAME AS ABOVE 12. COUNTY OR PARISH 14. PERMIT NO. DATE SSUED 13. STATE EDDY NM 15. DATE SPUDDED 16. DATE T.D. REACHED | 17. DATE COMPL. (Ready to prod.) 19. ELEY, CASINGHEAD 18. ELEVATIONS (DF. RKB. RT. GR. ETC.) -3-94 22 IF MULTIPLE COMPL. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS 20. TOTAL DEPTH. MD & TVE 21. PLUG. BACK T.D. SINGLE 10'-7852' 7750 WAS DIRECTIONAL SURVEY MADS 24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD) 6659'-7222' (91 HOLES) NO 26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAB WELL CORBD GR-CNL/LDT, GR-PIL/SFL NO 29. CASING RECORD (Report all strings set in well) CASING SIZE/GRADE WEIGHT, LE/FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED 1/2" CIRC-620sx CLASS NONE 3/8" 595 17 48# -A NONE 1/4" CIRC-1625sx CLASS 5/8" -A-32# 37521 7/8" 2067'-575sx CLASS NONE 1/2" -A-15.5# 78521 TUBING RECORD LINER RECORD NONE SACKE CEMENTS PACKER SET (MD) RIZE TOP (MD) BOTTOM (MD) SCREEN (MD) SIZE DEPTH SET (MD) 7/8" 7311' SN-50041 31. PERFORATION RECORD (Interval, size and number) ACID. SHOT, FRACTURE, CEMENT SQUEEZE, ETC. PERF W/4" CSG GUN 2 JSPF @ 90° PHASED DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED (25 HOLES) 7210'-7222'; (41 HOLES) 7021'-500 GABS HCL ACID 7041'; (25 HOLES) 6659'-6671' IN 3 STAGES 47.500 GALS # 30X-LINKED W TOTAL (91 HOLES) ADDITIVES & 360,000 # 20-40 OTTAWA SAND PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—eize and type of pump) WELL STATUS (Producing or shut-in)

33.* DATE FIRST PRODUCTION PRODUCING 4-14-94 PUMPING 2 1/2"X1 3/4"X24' RHBC DATE OF THE HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL-BAL GAS-MCT. WATER-BEL GAS-OIL BATTO

992 120 119. 420 4-19-94 OIL GRAVITY-API (CORR.) PLOW. TURING P CASING PRESEURE CALCULATED 24-HOUR RATE OIL-BI GAS-MCT. WATER-BEL 119 420 120 -30 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED ST TED FOR RECORD ACCEPT <u>SALES & LEASE USE</u>

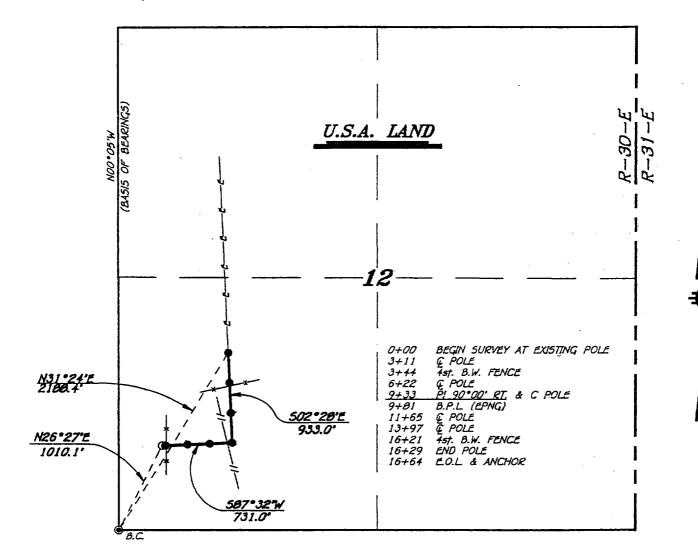
EACH OF ABOVE LOGS 3 1001 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

35. LIST OF ATTACHMENTS

SIGNED KILI HOSTIC TITLE SR. PRODUCTION CLERK DATE _5-5-94

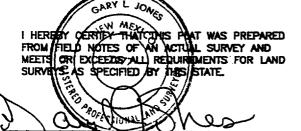
*(See Instructions and Spaces for Additional Data on Reverse Side)

SECTION 12, TOWNSHIP 22 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.



LEGAL DESCRIPTION

A STRIP OF LAND 50.0 FEET WIDE, 1664.0 FEET OR 0.32 MILES IN LENGTH AND BEING 25.0 FEET LEFT AND RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.



JOHN W. WEST N.M. P.S. No. 677
TEXAS P.L.S. No. 1138
RONALD J. EIDSON N.M. P.S. No. 3239
TEXAS P.L.S. No. 1883
GARY L JONES N.M. P.S. No. 7977
TEXAS P.L.S. No. 5074
GARY G. EIDSON TEXAS P.L.S. No. 4735

1000 0 1000 2000 FEET

BASS ENTERPRISES PRODUCTION CO.

A PROPOSED ELECTRIC LINE CROSSING UNITED STATES OF AMERICA LAND IN SECTION 12, TOWNSHIP 22 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.

JOHN W. WEST ENGINEERING COMPANY CONSULTING ENGINEERS & SURVEYORS - HOBBS, NEW MEXICO

Survey Date: 03-25	-94	Sheet	1	of	1	Sheets
W.O. Number: 94-11	-0534	Drawn	Ву:	S.C.	NICH	0LS
Date: 03-28-94	BASS0534\	#94-11	Scal	e: 1'	• =	1000'

ল সংগ্ৰহত জন্মত ভাৰত কৰি নাম (ইংক্ৰিছা 🕏

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

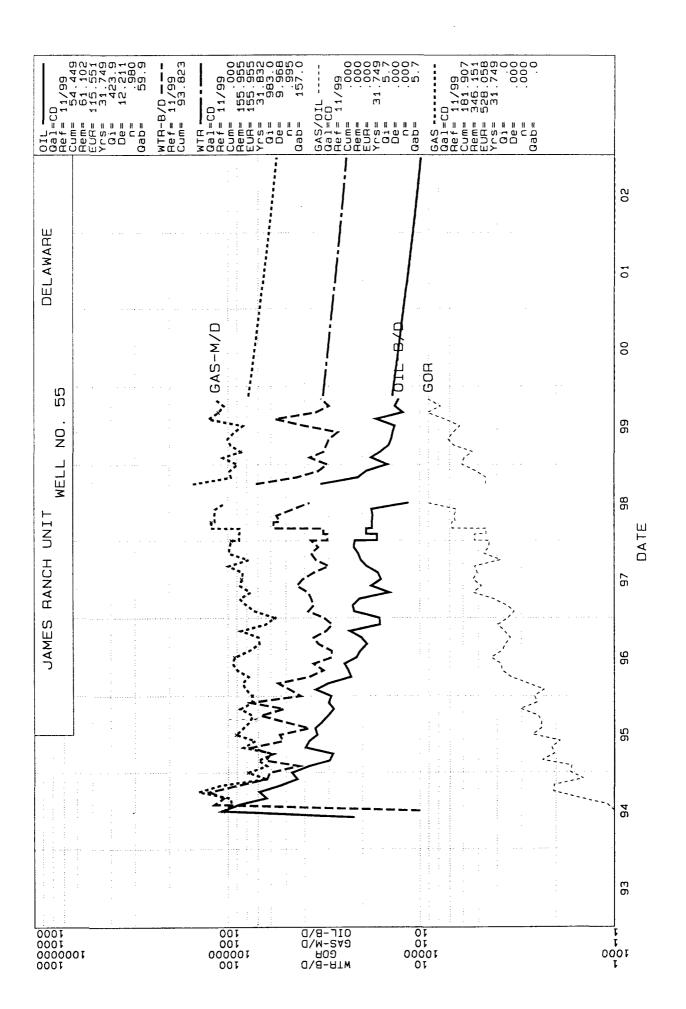
WELL DATA

WELL			JAMES RA	NCH UNIT	#55	······	FORMATION		DELAV	VARE
OCATION		F	_ UNIT,	1980	_ FEET FROM	NORTH	_LINE &	1980	FEET FROM	WEST LINI
SECTION	17	_ TOWNSHIP	235	RANGE	31E	, COUNTY		EDDY		, NEW MEXICO
SPUD DATE	2	/25/94	_ COMPLETI	ION DATE	4/6	6/94	_ INITIAL PROD	UCTION		4/7/94
PERFORATIO	ons .	7820-60'								
TIMULATIO	ON:									
	ACID	7820-60; 15	00 GALS 7	1/2% HCL V	V/80 BS		 .			
	FRACTU	RE	7820-60',	64,200 GA	LS GEL + 122,	750# 16/30 (OTTAWA SAND	+ 15,000#	RCS	
								<u> </u>		
OTENTIAL	4/13/94	189 BOPD, 57	BWPD, 172 F	MCFPD						
		189 BOPD, 57 Attach Copy of			eted Well.)					
				tch of Compl		IC CALCUIT	ATION			
				tch of Compl	leted Well.) /OLUMETRI	C CALCUL	ATION			
				tch of Compl			ATION		T PERFORATED LLY PRODUCTIV	
Attach Copy	of C-105.	Attach Copy of		tch of Compl	/OLUMETRI		ATION			
Attach Copy	of C-105.	Attach Copy of		tch of Compl	/OLUMETRI		ATION			
Attach Copy Area (A) prof	of C-105	Attach Copy of		tch of Compl	/OLUMETRI		ATION			
Area (A) pror	ration unit size, %	Attach Copy of		40 12.0%	/OLUMETRI		ATION			
Area (A) pror Porosity (por) Vater saturation	ration unit size, % ion (Sw), %	Attach Copy of		40 12.0%	/OLUMETRI		ATION			
Area (A) pror Porosity (por) Water saturation	ration unit size, % on (Sw), % s (h), ft. (T), Fahrenh	Attach Copy of ze, acres		40 12.0% 60%	/OLUMETRI		ATION			
	ration unit size, % son (Sw), % s (h), ft. (T), Fahrenh	Attach Copy of ze, acres		40 12.0% 60% - 89 <	/OLUMETRI		ATION			

PERFORMANCE DATA

					
(If sufficient history exists,	attach plot of oil production ra	te v time.)			
CUMULATIVE PRODUCT	TION TO11/1	/99	54449 BBLS		
INITIAL RATE (qi)	-		424		
ECONOMIC LIMIT (41)	-		_60		
DECLINE RATE, dy	_	Hyperboli	c d = 12.21% n = .98		
REMAINING OIL (Q) =	_		58851		
ULTIMATE RECOVERAB	LE OIL _		113300		
(Attach plat showing prora	tion unit and participating area	.)			
		ECO	NOMIC		
WELL COST \$	570,000 (to the depth	of formation completed)			
RECOMPLETION COST \$	<u> </u>				
TOTAL COST \$	570,000				
YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW	
ZERO	0	0	0	-570,000	
1	15,100	243,100	41,000	194,700	
2	12,000	227,400	46,300	159,900	
3	8,300	217,700	41,900	140,400	
4	7,200	192,400	40,400	109,800	
5	5,200	116,200	34,700	53,400	
6	6,300	171,800	39,500	78,400	
7	4,700	160,000	32,300	68,500	
8	4,200	123,100	29,300	45,400	
9	3,800	106,100	28,000	34,200	
10	3,400	93,600	27,000	16,400	
REMAINDER	43,200	1,174,500	596,600	118,600	
NOT INTUINED	,				

WELL IS COMMERCIAL



JAMES RANCH UNIT #55 PREPARED BY: KENT ADAMS

DATE : 02/08/00
TIME : 07:53:03
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 4

ì

	1 1 1 1 1 1 1 1 1	; ; ; ;	n I	PUT DA	TA	1 1 1 1 1 1 1	; ; ; ;	1 1 1 1 1 1 1 1 1	CAL	CULAT	ED DAT	A
ITEM	SCHEDULING RATES	RATES	1	SCHEDULE UNTIL	JITIL	PROCEDURE		ULTIMATE	LAST	EFF. DECL	! H	FINAL RATE
405 START	11/99											
410 OIL 415 "	423.85 163.60	××	В/м	12/2011 <i>‡</i> 24.27 1	AD IMU	H/0.980 EXP	12.21 5.00	91.280 115.551	11/11 7/31	12.21 5.00	424. 164.	164. 60.
420 GAS/OIL	5.67	5.67	7 M/B	01/2097 AD	б	LIN	TIME		12/96			
425 WTR 430 "	982.98 476.98	× ×	в/м в/м	12/2009 <i>I</i> 74.86 J	AD IMU	H/0.995 EXP	9.97 5.00	81.090 155.955	11/09 8/31	9.97 5.00	983. 477.	477. 157.
435 START	4/94											
516 PRI/OIL	16.8800	×	\$/B	,¥	XX/WW	PC	. 00		7/31		16.880	16.880
518 "	18.39 22.26	××	8/8 8/\$	1/96 7	88	P N	00		7/31 7/31		18.390 22.260	18.390
	20.74	×	\$/B		AD	PC PC	. 00		12/97		20.740	20.740
521 #	19.25	× >	8/8 8/¢	1/2000 1	A d	o c			12/98		19.250	19.250
	24.94	×	\$/B		AD CIA	PC	. 00		12/00		24.940	24.940
523 *	20.67	< ×	s/8 8/\$		ð	S S	. 00		12/01		20.670	20.670
525 *	18.18	××	S/B	1/2004 1	5 5	Dđ Pr	. 00		12/03		18.180	18.180
526 "	18.13	×	\$/B		LIFE	PC	.00		7/31		18.130	18.130
	1.8900	×	\$/M		XX/WW	PC	.00		7/31		1.890	1.890
533 * "	1.94 2.61	××	S/X	1/96	88	מין מין	00		12/95		2.610	1.940 2.610
	2.59	×	\$/M		ΑD	24	. 00		12/97		2.590	
មា មា មា មា មា មា	2.11	××	X X	1/2000	ð ð	n n			12/98		2.110	
537 *	2.60	×	S/M		AD	PC	. 00		12/00		2.600	
539 *	2.58	××	W/\$	1/2002 1 TO 1	LIFE	PC O	. 00		12/01 7/31		2.580 2.570	
544 PRI/WTR 545 "	.5000	. 5000 X	0 \$/U \$/U	1/2000 1 TO	AD LIFE	PC Oq	. 00		3/94 12/95		.500	.500 1.940
550 OPC/T	1600.00	×	\$/M	10	LIFE	SCH	OPC		7/31		1600.000	1600.000
555 STX/OIL 560 STX/GAS	7.08 7.93	××	ar ar	or or	TIFE	PC PC	. 00		7/31 7/31		.071 .079	.071 .079
565 ATX	.17	×	*	To	TIFE	PC	. 00		7/31		.002	. 002
570 PRI/OIL 575 PRI/GAS	9100 1300	9100 1300	M/\$ 0 B/\$ 0	TO	TIFE	PC	. 00	,	7/31 7/31		910 130	18.130 2.570
700 LSE/WI	100.0000	Ū	**	To	LIFE	FLAT	. 00		7/31		1.000	1.000
701 OWN/WI	100.0000	מ	o4e	TO .	LIFE	FLAT	. 00		7/31		1.000	1.000
720 LSE/RIC	12.5000	ט	æ	To O	LIFE	FLAT	. 00		7/31		.125	. 125
721 OWN/RI	.0000	ט	æ	To	LIFE	FLAT	. 00		7/31			

PROJECT ASSUMPTIONS BASE DATE : 4/9 P.W. DATE : 4/9 REPORT DATE : 4/9	201 LOSS NO 205 CUMO, MB 210 LOSS NO	RESERVE PARAMETERS	800 DRILL 801 SALVAGE	INVESTMENT	905 LOAD P 910 LOAD P 915 LOAD P	OVERLAYS	761 OWN/ORR	740 LSE/RIG 760 LSE/ORR	
4/94 4/94	54.45	ETERS	240.00	TANGIBLES & INTANGIBLES	P.OIL OIL # P.GAS GAS # P.WATER WTR #	SCHEDULING RATES	. 0000	12.5000	
TIME FRAMI PW %-AGE PROD QUAL	2 1		330.00 M\$G	TINI 3	#	3 RATES	ŋ	סס	
	CUMG, MMF	ITEM	330.00 M\$G	MGIBLES			مد	* *	
1*9 38*12 1*600 10.0 DIS	181.91		04/94 TO	TIME		SCHEDULE UNTIL	TO	TO	,
1*600 DISC. FREQ	_		AD LIFE			UNTIL	LIFE	LIFE	
600 DISC. FREQUENCY :	CUMI, MB	ITEM	1 1 1 1 1 1 2	PROCEDURE		PROCEDURE	FLAT	FLAT FLAT	·
365.	;					1	. 00	.00	
отн			570.000 -24.000	TOTAL T&I	54.835 185.403 93.823	ULTIMATE			
OTHER QUAL :	1 2 5 1 1		4/94 7/31	MONTH	2/00 2/00 2/00	LAST	7/31	7/31 7/31	1
.: С	1		!	RISK INV.		EFF. DECL			
	:		570.0 -24.0	INV. TOT. TEIER		INIT. RATE		. 125	
			570.0 -24.0	ESC. TEIER		FINAL RATE		. 125	

JAMES RANCH UNIT #55 PREPARED BY: KENT ADAMS

DATE : 02/08/00
TIME : 07:53:03
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 4

RESERVES AND ECONOMICS EFFECTIVE DATE: 4/94

PRESENT WORTH @ 10.00 &	ECONOMICS, M\$	ER PHASE GROSS WATER, MB NET WATER, MB WATER PRICE, \$/B	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE. S/MCF	OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	OWNERSHIP 1) WORKING INTEREST, \$ 100 2) REVENUE INTEREST, \$ 80
194.7 570.0 -375.3	243.1 17.5 14.4 14.4 8.7 .0 .0 .0 .0 .0 .0 .0 .0	17.4	21.1 18.5 32.6	15.1 13.2 210.6 15.97	.0 570.0 .0 570.0	12/94 100.000 1 87.500
159.9 .0 159.9	227.4 16.5 19.2 10.2 10.0 .0 .0 .0 .0	20.5	27.7 24.2 24.8 1.810	12.0 10.5 183.6 17.48		12/95 100.000 : 87.500
140.4 .0 140.4	217.7 15.9 19.2 6.5 .0 .0 .0 .0 .0 .0	13.0	28.7 25.1 62.2	8.3 7.3 155.5 21.35	0000	12/96 100.000 87.500
109.8 .0	192.4 14.2 19.2 6.7 6.0 .0 .0 151.9	13.5	31.7 37.8 27.8 68.3	7.2 6.3 124.1 19.83		12/97 100.000 : 87.500
53.4 .0 53.4	116.2 8.7 .2 19.2 6.6 .0 .0 .0 .0	13.2	31.7 27.7 24.9 1.980	5.2 4.5 61.4 13.52		2/97 12/98 2/97 12/98 .000 100.000 10
78.4 .0 78.4	171.8 12.8 3 19.2 7.2 7.0 0 .0 132.4	14.3 14.3	37.7 33.0 70.6 2.140	6.3 5.5 101.2 18.34		12/99
68.5 68.5	160.0 11.9 .3 19.2 .0 .0 .0 .0 .0 .0	11.0 11.0	28.6 25.1 61.9 2.470	4.7 4.1 98.1 24.03		12/00
45.4 .0 45.4	123.1 9.1 19.2 19.2 .0 .0 .0 .0 .0 .0 .0 .0	10.0	23.7 20.7 50.8 2.450	4.2 3.7 72.3 19.76		12/01 100.000 87.500
34.2 .0 34.2	106.1 7.9 19.2 19.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	9.2	21.4 18.7 45.7	3.8 3.3 60.4 18.29		12/02 100.000 87.500
26.4 .0 26.4	93.6 7.0 19.2 .0 .0 .0 .0 .0 .0 .0 .0 .0	. 080	19.5 17.1 41.6	3.4 3.0 52.0 17.27		12/03 100.000 87.500
911.1 570.0 341.1	1651.4 121.4 2.6 187.2 49.1 0.0 .0 1291.1 570.0	130.7 130.7 130.7	271.9 237.9 532.4 2.238	70.1 61.3 1119.0 18.24	.0 570.0 .0 570.0	S TOT
118.6 7 119.3	1174.5 87.6 1.8 504.0 3.2 .0 .0 .0 .77.8 601.8	40.3	245.0 214.3 523.0 2.440	43.2 37.8 651.5 17.22	-24.0 -24.0 -24.0	AFTER
1029.7 569.3 460.4	2825.9 209.0 4.4 691.2 52.3 52.3 .0 .0 1868.9 546.0	171.0 171.0 .306	516.8 452.2 1055.4	113.3 99.2 1770.5	546.0 546.0 546.0	36.0 YR TOTAL 100.000 87.500

DATE : 02/08/00
TIME : 07:53:03
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 4

AFTER TAX ECONOMICS

				EFFECT	EFFECTIVE DATE: 4/94	E: 4/94							,
PERIOD ENDING	12/94	12/95	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	S TOT	AFTER	TOTAL
TAX TREATMENT OF INVESTMENTS, M\$	ENTS, MS	1 1	!	1		1 1 1	1 1 2 1	1	1 1 1			1	1
1) EXP, RISK & CAP INT	330.0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	330.0	. 0	330.0
	, 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.	243.1	227.4	217.7	192.4	116.2	171.8	160.0	123.1	106.1	93.6	1651.4	1174.5	2825.9
_	17.5	16.5	15.9	14.2	8.7	12.8	11.9	9.1	7.9	7.0	121.4	87.6	209.0
6) - WPT TAX NET	. 0	. 0	•	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0		. 0
) - OPR. COSTS &	23.5	29.8	26.0	26.3	26.0	26.6	20.3	20.2	20.1	20.0	238.9		747.9
9) - OVERHEAD												o c	
'	330.0	.0	. 0	. 0	. 0	. 0	. 0	. 0		. 0	330.0		330.0
,	25.7	52.7	46.2	33.0	23.6	21.4	21.4	16.1	. 0	. 0	240.0		240.0
13) - DEPLETION	0.0	0.0	0.5	0.677	. 0	0.111	106.4		, a. ⊢	o 6	1.17/	φα	0 6.867T
,	. 0	. 0	. 0	. 0	. 0	. 0	. 0		. 0	. 0	. 0		
	-153.6	128.5	129.5	119.0	58.0	111.0	106.4	77.7	78.1	66.6	721.1	577.8	1298.9
17) - TAX KATE, *	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
	. 0				. 0								
	-53.8	45.0	45.3	41.6	20.3	38.8	37.2	27.2	27.3	23.3	252.4	202.2	454.6
20) REVENUE-SEV-WPT	225.6	210.9	201.7	178.2	107.5	159.1	148.2	113.9	98.2	86.6	1530.0	1086.9	2616.9
- OPR. COSTS &	23.5	29.8	26.0	26.3	26.0	26.6	20.3	20.2	20.1	20.0	238.9	509.1	747.9
+	. 0		.0		.0	.0	.0	.0	. 0	.0	.0		. 0
24) = P.I.T.) 53.8	45.0	120.3	41.6	20.3	38.8	37.2	27.2	27.3	23 3 3 3	252.4	202.2	454.6
	. 0	. 0	. 0	. 0	. 0	.0	. 0	. 0	. 0		. 0		. 0
•	. 0	.0	.0	. 0	.0	. 0	.0	. 0	. 0	. 0	. 0	. 0	. 0
•	255.9	136.2	130.4	110.3	61.3	93.6	90.6	66.6	50.7	43.3	1038.7	375.6	1414.3
28) - INVESTMENTS & RSK	570.0	0.	130.0	110.0	61.0	.0	. 0	. O	n 0 . 0		570.0	-24.0	546.0
SEN													
	246.5 570.0	120.2	104.1	79.7 .0	40.1	55.4 .0	48.5	32.2	22.3	17.2	766.3 570.0	77.1 7	843.4 569.3
33) CUM. A.F.I.T. NET	-323.5	120.2 -203.3	-99.1	-19.4	20.7	76.1	124.6	156.8	22.3 179.1	17.2 196.3	196.3	77.8 274.0	274.0 274.0

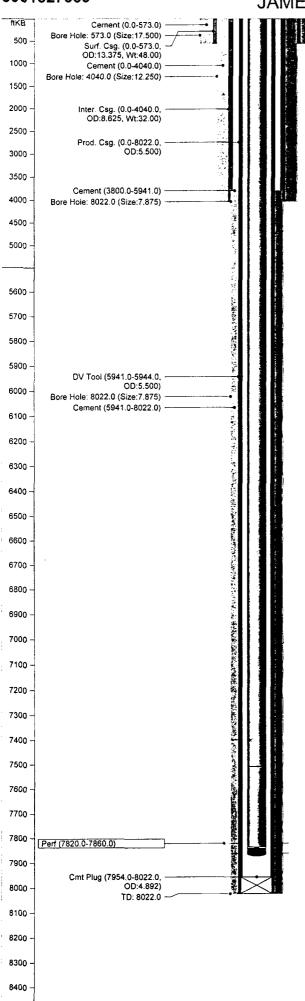
PREPARED BY:	JAMES RANCH
3.	
KENT	UNIT
ADAMS	#55

DATE : 02/08/00 TIME : 07:53:03 DBS FILE : JRUPA SETUP FILE : CD SEQ NUMBER : 4

ECONOMIC INDICATORS

AS OF DATE: 4/94

	1.48	1.81	DISCOUNTED NET/INVEST.
	2.59	ST. 3.42	UNDISCOUNTED NET/INVEST.
	4.23	3.43	DISCOUNTED PAYOUT, YRS
	3.18	YRS. 2.82	UNDISCOUNTED PAYOUT,
	24.3	29.0	RATE OF RETURN, PCT.
-345.213	. 65	-345.734	100.
-308.209	-290.919	-301.746	90.
	-266.222	-272.059	70,
-252.792		-234.414	60.
-212.540	-196.285	-184.957	50.
-157.279	-143,467	-116.847	40.
-75.695	-67.815	~16.653	30.
59.223	51.510	146.182	20.
	274.024	460.384	10.
431.229	344.918	562.340	8.
555,527	431.724		6,
632,645	482.905	762.168	Uī,
963.432	681.045	1050.507	2,
1335.864	868. 312	1322.941	0.
		NUS TABLE	RATE-OF-RETURN VS. BONUS TABLE
		AND	PRESENT WORTH PROFILE
M\$	M\$	M\$	
BONUS	WORTH	WORTH	
A.F.I.T.	A.F.I.T.	B.F.I.T.	



JAMES RAN	CH UNII #	:55						
API No.	300152	27589		atus		i .	ACT C	DIL
TD	8022.0			ginee	er		KAA	
PBTD	7954.0							
Operator	BEP			rmit		_i		<u></u>
Well No.	55		Sp				2/25/9	
ID Code	CHMXDL						3/11/9	
Field	LOS ME		; Co	mple	tion	!	4/6/9	4
- <u>, -</u> ,	(DELAV							
Author	RA			st Ac		<u> </u>		
Date Updated	1/23			ando	ned			
Comments	Drilled by		е					
	Ene	rgy						
Location								
Township	S	023		p Lat		·		<u>)</u>
	<u></u>			p Lor	gitud	e :)
Range	<u>E</u>	031	<u></u>	p NS	Dista	nce		0 ft N
0.000					Dista			0 ft W
Section		17			Latitu			<u>)</u>
Unit Ltr.		F	Bo	ttom	Longi	tuae)
State		Mexico	Bu	n NS	Dista	nce	0.0	
County		ddy	Btr	11 C VV	Dista	ince	0.0	п -
Elevations		10 0 4		A E1-				14
KB Grd		08.0 ft		s Fin b Hea) ft
Gra KB-Grd		95.0 ft 3.0 ft	<u> I u</u>	о пеа	au .	-	0.0) ft
Casing Strin						1874		
ltem	Top		Jnts	ll ll	ا ر	Wt	Grd	Thd
(in)	(ftKB)				.720	40.00	11.40	L OTO
13 3/8 in Surf.	0.0	573.0	13	. 12	.720	48.00	H-40	STC
Csg.			0		:			<u>L</u>
Casing Strin								
Item	Тор	Btm	Jnts	- 18	ן כ	Wt	Grd	Thd
(in)	(ftKB)							<u> </u>
8 5/8 in Inter.	0.0	4040.0	93	7	.921	32.00	K-55	STC
Csg.			L					<u>i</u>
Casing Strin			asing					
Item	Тор	Btm	asing Jnts	11	D	Wt	Grd	Thd
Item (in)	Top (ftKB)	Btm (ftKB)	Jnts					
Item (in) 5 1/2 in Prod.	Top (ftKB)	Btm	Jnts		D .892	Wt 0.00	Grd J-55	Thd
Item (in) 5 1/2 in Prod. Csg.	Top (ftKB) 0.0	Btm (ftKB) 8022.0	Jnts 226	4	.892	0.00		
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too	Top (ftKB) 0.0	Btm (ftKB) 8022.0	Jnts 226	4				
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem	Top (ftKB) 0.0 bl 5941.0 ent	Btm (ftKB) 8022.0 5944.0	Jnts 226	4	.892	0.00	J-55	
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too	Top (ftKB) 0.0 5941.0 ent ing 1	Btm (ftKB) 8022.0 5944.0	Jnts 226	4	.892	0.00		
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str	Top (ftKB) 0.0 ol 5941.0 ent ing 1	8tm (ftKB) 8022.0 5944.0	Jnts 226 Amou (sx	4 0 int	.892	0.00	J-55	
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing	Top (ftKB) 0.0 5941.0 ent ing 1	8tm (ftKB) 8022.0 5944.0 Top tKB)	Jnts 226 Amou (sx)	0 int)	.892	0.00	J-55	
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing	Top (ftKB) 0.0 ol 5941.0 ent ing 1 (ft)	8tm (ftKB) 8022.0 5944.0 Top tKB) 0.0 0.0	Jnts 226 Amou (sx)	4 0 int) 650	.000	0.00 0.00 Com	J-55	
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing Intermediate C. Production Cas	Top (ftKB) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Btm (ftKB) 8022.0 5944.0 5945.0 0.0 0.0 3800.0	Jnts 226 Amou (sx	4 0 int) 650 700	.000	0.00	J-55	
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Production Cas	Top (ftKB) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Btm (ftKB) 8022.0 5944.0 Fop tKB) 0.0 0.0 3800.0 5941.0	Jnts 226 Amou (sx)	4 0 int) 650	.000	0.00 0.00 Com	J-55	
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Production Cas Tubing Strin	Top (ftKB) 0.0 ol 5941.0 ent ing 1 asing sing sing g - Primar	Btm (ftKB) 8022.0 5944.0 Fop (tKB) 0.0 0.0 3800.0 5941.0 y Tubi	Jnts 226 Amou (sx 1	4 0 int) 650 700	.892 .000	0.00 0.00 Com	J-55	LTC
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Production Cas Tubing Strin Item	Top (ftKB) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	8tm (ftKB) 8022.0 5944.0 (op tKB) 0.0 0.0 3800.0 5941.0 y Tubi	Amou (sx)	0 int 650 700 525	.000	0.00 0.00 Com	J-55	LTC
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing Intermediate C Production Cas Production Cas Tubing Strin Item (in)	Top (ftKB) 0.0 cl 5941.0 ent ing 1 gasing sing sing Top (ftKB)	Btm (ftKB) 8022.0 5944.0 Fop tKB) 0.0 0.0 3800.0 5941.0 y Tubi Btm (ftKE	226 Amou (sx) 1 ng Jnt3)	4 0 int 650 700 525	.892 .000 TOC	0.00 0.00 Com	J-55	LTC
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing Intermediate C Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg.	Top (ftKB) 0.0 cl 5941.0 ent ing 1 gasing sing sing Top (ftKB)	8tm (ftKB) 8022.0 5944.0 (op tKB) 0.0 0.0 3800.0 5941.0 y Tubi	226 Amou (sx) 1 ng Jnt3)	0 int 650 700 525	.892 .000	0.00 0.00 Com	J-55	LTC
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing Intermediate C Production Cas Production Cas Tubing Strin Item (in)	Top (ftKB) 0.0 cl 5941.0 ent ing 1 asing sing sing g - Primar Top (ftKB)	Btm (ftKB) 8022.0 5944.0 Fop tKB) 0.0 0.0 3800.0 5941.0 y Tubi Btm (ftKE	Amou (sx 1 ng 1 Jnts 3)	4 0 int 650 700 525	.892 .000 TOC	0.00 0.00 Com by CBL Wt	J-55 nments Grd	LTC
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing Intermediate C Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg.	Top (ftKB) 0.0 0.1 0.1 5941.0 ent ing 1 asing sing 3 sing 5 g - Primar Top (ftKB) 0.0 7506.0	Btm (ftKB) 8022.0 5944.0 5944.0 (ftKB) 0.0 0.0 3800.0 5941.0 y Tubi (ftKE) 7834	Amou (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 0 int 650 700 525	.892 .000 TOC ID (in) 2.44	0.00 Com by CBL Wt 1 6.56 0 0.00	J-55 nments Grd	LTC
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in TAC	Top (ftKB) 0.0 col 5941.0 ent ing 1 asing sing 5 sing 7 Frimar Frop (ftKB) 0.0 7506.0 7834.0	Btm (ftKB) 8022.0 5944.0 Fop kKB) 0.0 3800.0 5941.0 y Tubi (ftKE) 7834 9 7509	Amou (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 0 int 650 700 525	.892 .000 TOC ID (in) 2.44	0.00 Com by CBL Wt 1 6.56 0 0.00 0 0.00	Grd	LTC
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in SN	Top (ftKB) 0.0 col 5941.0 ent ing 1 asing sing 5 sing 7 Frimar Frop (ftKB) 0.0 7506.0 7834.0	Btm (ftKB) 8022.0 5944.0 5944.0 0.0 0.0 3800.0 5941.0 y Tubi (ftKE) 7509 7835 7840	Amou (sx. 1 1 3)	4 0 int 650 700 525	.892 .000 TOC I (in) 2.44 0.000 0.000	0.00 Com by CBL Wt 1 6.56 0 0.00 0 0.00 0 0.00	Grd 0 J-55	LTC
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cemical Casing Str Surface Casing Intermediate C. Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud	Top (ftKB) 0.0 cl 5941.0 ent ing 1 gasing sing sing (ftKB) 0.0 7506.0 7834.0 7835.0	Btm (ftKB) 8022.0 5944.0 5944.0 0.0 0.0 3800.0 5941.0 y Tubi (ftKE) 7509 7835 7840	Amou (sx. 1 1 3)	4 0 int 650 700 525	.892 .000 TOC I (in) 2.44 0.000 0.000	0.00 Com by CBL Wt 1 6.56 0 0.00 0 0.00 0 0.00	Grd 0 J-55	LTC
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cemic Casing Cemic Casing Str Surface Casing Intermediate C Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS 2 7/8 in Mud Anchor	Top (ftKB) 0.0 cl 5941.0 ent ing 1 gasing sing g - Primar Top (ftKB) 0.0 7506.0 7834.0 7840.0	Btm (ftKB) 8022.0 5944.0 5944.0 0.0 0.0 3800.0 5941.0 y Tubi (ftKE) 7834 7834 7834 7872	Amou (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ID (in) 2.44 0.000 0.000 0.000 0.000	0.00 Com by CBL Wt 1 6.56 0 0.00 0 0.00 0 0.00	Grd 0 J-55	LTC
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cemical Casing Str Surface Casing Intermediate C. Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor Other (plugs	Top (ftKB) 0.0 cl 5941.0 ent ing 1 gasing sing g - Primar Top (ftKB) 0.0 7506.0 7834.0 7840.0	Btm (ftKB) 8022.0 5944.0 5944.0 0.0 3800.0 5941.0 y Tubi (ftKE) 7834 19750 197	Amou (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ID (in) 2.44 0.000 0.000 0.000 0.000	0.00 Com by CBL Wt 1 6.56 0 0.00 0 0.00 0 0.00	Grd	LTC
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS	Top (ftKB) 0.0 cl 5941.0 ent ing 1 gasing sing g - Primar Top (ftKB) 0.0 7506.0 7834.0 7840.0	Btm (ftKB) 8022.0 5944.0 5944.0 0.0 0.0 3800.0 5941.0 y Tubi (ftKE) 7834 7834 7834 7872	Amou (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ID (in) 2.44 0.000 0.000 0.000 0.000	0.00 Com by CBL Wt 1 6.56 0 0.00 0 0.00 0 0.00	Grd 0 J-55	The 8rd
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cemical Casing Str Surface Casing Intermediate C. Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor Other (plugs	Top (ftKB) 0.0 cl 5941.0 ent ing 1 gasing sing sing (ftKB) 0.0 7506.0 78340.0 7840.0 7, equip., et	Btm (ftKB) 8022.0 5944.0 5944.0 0.0 3800.0 5941.0 y Tubi (ftKE) 7834 19750 197	Amou (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ID (in) 2.44 0.000 0.000 0.000 0.000	0.00 Corr by CBL Wt 6.50 0.00 0.00 0.00 0.00 0.00 0.00	Grd	The 8rd
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs Date	Top (ftKB) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Btm (ftKB) 8022.0 5944.0 5944.0 0.0 3800.0 5941.0 y Tubi (ftKE) 7834 19750 197	Amou (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ID (in) 2.44 0.000 0.000 0.000 0.000	0.00 Corr by CBL Wt 6.50 0.00 0.00 0.00 0.00 0.00 0.00	Grd J-55 Grd J-55 Int (ftKB	The 8rd
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor Other (plugs Date 3/11/94 Perforations	Top (ftKB) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Btm (ftKB) 8022.0 5944.0 5944.0 0.0 3800.0 5941.0 y Tubi (ftKE) 7834 7509 7840 7872 tc.) - P	Amou (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ID (in) 2.444 0.0000 0.0000 0.0000	0.00 0.00 Com by CBL Wt 1 6.50 0 0.00 0 0.00 0 0.00 79	J-55 nments Grd 0 J-55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	The 8rd
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs Date	Top (ftKB) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Btm (ftKB) 8022.0 5944.0 5944.0 0.0 3800.0 5941.0 y Tubi (ftKE) 7834 19750 197	Amou (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ID (in) 2.444 0.0000 0.0000 0.0000	0.00 Com by CBL Wt 1 6.50 0 0.00 0 0.00 0 0.00 79 Shots	Grd J-55 Grd J-55 Int (ftKB	The 8rd
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor Other (plugs Date 3/11/94 Perforations Date	Top (ftKB) 0.0 ent ing 1 gasing sing sing (ftKB) 0.0 7506.0 7834.0 7840.0 7840.0 7ett Plug	Btm (ftKB) 8022.0 5944.0 5944.0 0.0 3800.0 5941.0 y Tubi Btm (ftKE 7509 7835 7840 7872 tc.) - P	Amou (sx) 1 ng 1 ng 0 0 1 1 1 1 1 1 1 1 1 1 1	4 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ID (in) 2.444 0.0000 0.0000 0.0000	0.00 Corr by CBL Wt 1 6.56 0 0.00 0 0.00 79 Shots (/ft)	Grd 0 J-55 0 J-5	The 8rd
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cem Casing Cem Casing Str Surface Casing Intermediate C Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor Other (plugs Date 3/11/94 Perforations Date 3/31/94	Top (ftKB) 0.0 ent ing 1 gasing sing sing (ftKB) 7506.0 7834.0 7840.0 7840.0 7840.0 7840.0 7840.0 7840.0	Btm (ftKB) 8022.0 5944.0 5944.0 0.0 3800.0 5941.0 y Tubi (ftKB) 7509 7835 7840 7872 Ite	Amou (sx) 1 ng 1 ng 0 0 1 1 1 1 1 1 1 1 1 1 1	4 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ID (in) 2.444 0.0000 0.0000 0.0000	0.00 Corr by CBL Wt 1 6.56 0 0.00 0 0.00 79 Shots (/ft)	J-55 nments Grd 0 J-55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	The 8rd
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cemical Casing Str Surface Casing Intermediate C Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor Other (plugs Date 3/11/94 Perforations Date 3/31/94 Stimulations	Top (ftKB) 0.0 cl 5941.0 ent ing 1 gasing sing sing (ftKB) 7506.0 7834.0 7840.0 7840.0 7840.0 Cmt Plug 78 6 & Treatm	Btm (ftKB) 8022.0 5944.0 5944.0 0.0 3800.0 5941.0 9 Tubi Rtm (ftKB) 7509 7835 7872 1tc.) - P Ite	Amou (sx) 1 ng 1 1 1 1 1 1 1 1 1 1 1 1 1	40 00 101 10 650 700 525 525 525 40	.892 .000 TOC (in) 2.44 0.000 0.000 0.000	0.00 Corr by CBL Wt 1 6.50 0 0.00 0 0.00 0 0.00 0 0.00 1 79 Shots (/ft) 1	Grd 0 J-55 0 J-5	The 8rd
Item (in) 5 1/2 in Prod. Csg. 5 1/2 in DV Too Casing Cemical Casing Str Surface Casing Intermediate C Production Cas Production Cas Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in TAC 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor Other (plugs Date 3/11/94 Perforations Date 3/31/94 Stimulations	Top (ftKB) 0.0 cl 5941.0 ent ing T gasing sing sing (ftKB) 7506.0 7834.0 7840.0 7840.0 Cmt Plug Cmt Plug 78 8 Treatm pe	Btm (ftKB) 8022.0 5944.0 5944.0 0.0 3800.0 5941.0 y Tubi (ftKB) 7509 7835 7840 7872 Ite	Amou (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	40 00 101 10 650 700 525 525 525 40	ID (in) 2.444 0.0000 0.0000 0.0000	0.00 Corr by CBL Wt 1 6.56 0 0.00 0 0.00 79 Shots (/ft)	Grd 0 J-55 0 J-5	The 8rd

WELL HISTORY

James Ranch Unit No. 55 WELL NAME:

FIELD NAME: Los Medanos (Delaware)

1980' FNL & 1980' FWL, Sec 17, T23S, R31E, Ut F LOCATION:

Eddy County, New Mexico

3295' GL, 3308' KB ELEV:

SPUD DATE: 2/25/94

COMP DATE: 4/6/94

ORIG TD: 8022'

ORIG PBTD: 79541

CASING: 13-3/8" 48# H-40 ST&C CSA 573' w/650 sx, cmt circ, 17-1/2" hole 0-576'.

8-5/8" 32# K-55 ST&C CSA 4040' w/1700 sx, cmt circ, 12-1/4" hole 576-4041'.
5-1/2" 17# & 15.5# J-55 LT&C CSA 8022', cmtd 1st stage w/525 sx, circ 68 sx out DV tool @ 5941', cmtd 2nd stage w/525 sx, TOC 3800' (CBL), 7-7/8" hole 4041-8022'.

2-7/8" J-55 TUBING:

DST: None

CORES & LOGS: 3/10/94 - DIFL/GR, ZDL/CN/GR/CAL

3/30/94 - CBL 3700-7951'

INITIAL COMPLETION

3/29/94-4/6/94

Run CBL 7951-3700', good cmt bond. TOC 3800'.

Perf Lower Brushy Canyon 7820-60', 1 SPF. Spot 2 bbls 7-1/2" HCL @ 3/31/94 7865'. Acidized w/1500 gals 7-1/2" HCL w/80 1.3 ball sealers. Frac w/64,200 gals gel, 122,750# 16/30 Ottawa sd, 15,000# 16/30

resin coated sd. Flow well. TIH, tag sd bridge @ 6408', circ sd

to 7951'. Swab well.

Bass Enterprises took over operations from Santa Fe Energy. F 285 4/11/94

> BO, 197 BW, 313 MCF on 22/64" chk. FTP 390#, CP 1000#. Flwg well. IP: 4/13/94 24 hrs F 189 BO, 57 BW, & 172 MCF on 18/64" chk. FTP

360#, SICP 1000#.

WORKOVERS

5/11/94-7/14/94 INSTALL PUMPING EQUIPMENT

Well dead. SI for 72 hr build up. Place well back on prod. on 18/64" chk. Flow well. 5/11/94

Well dead. SI for build up. Installed 456 pmpg unit. Cont. to 5/17/94

flow well.

Installed pmpg equipment. Tagged PBTD @ 7885'. Placed well on 6/8/94

prod.

AWO: 7/14/94 P 93 BO, 117 BW, & 106 MCF.

JAMES RANCH UNIT #55 WELL HISTORY

11/21/96	Pump change - pump stuck in tbg w/frac sand.
12/16/96	POH w/tbg & rods, pump hold down broken off in SN.
1/11/97	Rod pump failure
4/22/97	Rod pump failure
7/9/98	Run BH pressure buildup.

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

DISTRICT II

7. Drawer DD

. _sia, NM 88210

OIL CONSERVATION DIVISION P. 0. Box 2088 Santa Fe, New Mexico 87504-2088

DISTRICT III

1000 Rio Brazos Rd Aztec. NM 87410	WELL LOC	ATION AN	D ACREAGI	DEDICATION boundaries of the	PLAT	JRU#55
Operator	,		Lease		300001.	Veil No.
	GY OPER. PARTI	VERS, L.P.	PURE	GULD 'C-17'	FEDERAL	15
Unit Letter Section	1	o columi	Range	iom arachae	County	
Actual Pootage Location		3 SOUTH	31 8	AST, N.M.P.M.		EDDY
1980 feet f	rom the NORTH	line an	4 1980	feet fro	m the WE	STline
i .	roducing Formation		Pool			
3295'	Delaware	11		s. West (Dela		40 Acres
	acreage dedicated to n one lease is dedica					
	interest and royalty).	ated to the	ren, odame e	den did identity	are ownership	מופופטו (מסנוו מצ
been consoli ☐ Yes	n one lease of differentiated by communitiated by communitiated No. If answer is "no", list the o	zation, unitizi ver is "yes"	ation, forced— , type of co	pooling, etc.? Insolidation		<u> </u>
the reverse	side of this form if	neccessary.)	Ail ail iabaaaa			
	will be assigned to orced—pooling, or otl					
	the division.	,		•	-	
		-			OPERATO	D CERTIFICATION
		1	\$ [R CERTIFICATION
		1	1	•	information	reby certify that the n herein is true and
1		1	1	1	complete	to the best of my
1		1	i			and belief.
	1980*	! !			Samel	- Polisto
		i i	1		Printed Name Darrell R	
	400-1-20-1-20-1-20 4	<u></u>			Position	oner co
			† 			ing Engineer
1		5	1	ì		nca Fe Energy
1980		# P	1	-	Operating	Parrners, I.P.
	ĺ	<u>I</u>	! !		April 30,	1993
	1	Ī	į			
	, 100, 4 (0,0 + 0) + 100 + 10	i D	i		SURVEYOR	R CERTIFICATION
	1 1 1	1 1 1	3 E [3		well location	eby certify that the shown on this plat
-	-	,e	I !		actual surve	from field notes of eys made by me or
	1	! !		_	under my s	rupervision, and that is true and correct
		1	URRY W. B	09B)	to the bes	t of my knowledge
		: !	YEX		and belief.	
} -		:f	\$ (< ()	CONSTRUCTOR	Date Surveyed	
			11395) [CH 11, 1993
		<u> </u>	THE CONTRACTOR OF THE PARTY OF		Signature and Professional St	TLACAOL .
1	•	; } !	TOPES9	ONE		1
		! !	"CYESS			į

1500

1000

2000

4 3 K = 3

990 1320 1650 1980 2310 2640

330

560

500

R.P.S. #11398! LARRY W. BUSBY

94831

V.H.B.

Form 1160-4 (October 1990) OPERATOR'S COPY

DEPARTMENT CONFEDENCE BUREAU OF LAND MANAGEMENT

FOR APPROVED OMB NO. 1004-0137 Expires: December 31, 1991

LC - 071988-8

11.51	O. 101 CT10	V 60 056	2		000000				S. IF INDIAN.	ALLOTTEE OR TRIBE MAI
		N OR RECO		ETION	REPORT	IAN	D, LC) G [*i].	1	
TYPE OF W	ELL.	MELT WELL	. 🗆	DET 🗌	Other				7. PRIT AGES	EMENT YAME
L TYPE OF C				_	Chil	_		:	James	Ranch Unit
WHILL A	iverx	ez avek ower- ceda		RESTR.	Other ! RI	ी. ¹			8. FARM OR	LZASE NAME, VELL
2. NAME OF OFE	RATOR								James Ra	anch Unit # 55
		<u>roduction C</u>	0.						9. APP WELLN	·
	ND TELEPHONE	No. Tand, Tx.	70702	-2760	(915)	603	2277		30-015-2	27589
		ition clearly and w							1	anos (Delaware)
At surface]	980' FNL &	1980' FWL	Unit	Letta	rF				1	THOS (DELEMELS)
At top prod.	interval reported	below							Section 1	17, T23S, R31E
	same as	ahove								•
At total depti	20116.02	above	, -,,-	PERMIT NO						
			1	PERMIT NO	,	DATE	686.20		LA COUNTY OF	II. STATE
5. DATE SPUDDED	I Id DATE TO	REACHED IT. DA	TE COMP	Rendu	in area 1 i .	1			Eddy	19. ELLY. CASINGSTAD
2-25-94	3-11-9		-6-94	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3. 2227 3295		of, rka,)	IT, GE, FTC.)*	AG. BEST. CASINGBAS
O. TOTAL DEPTH. M		LUG. SACK 7.3 XB		22. iř 40	TITIFT COMPE			ERTAI.S	AOTART TOOLS	S CASLE TOOLS
80221	i	'978'	1	single	THE PTHE			LLED ST	0-8022'	1
		S COMPLETION—TO	P. BOTTO			•			0-0064	25. WAS DIRECTIONAL
									•	SULTET MADE
7820'-786	50' (40) h	ioles							-	no
6. TYPE ELECTRIC				***					. 2	7. WAS WELL CORED
GR-CNL/LE	T, GR-DIL	./SFL								no
CASING SIZE/GRAD	s wright, La				port all string					
3 3/8" A		573'	ST (MD)	- 17	1/2"				ENTENS RECORD	AMOUNT PULLED
8 5/8" A		4040	т	$-\frac{1}{12}$	1/4"				ass "C" lass "C"	none
5 1/2" A		.5# 8027		_/	7/8"				sx Class	
	11, 2	I DV To		41	,, ,	1.00	3000	1000	JA GIGSS	-0 -10116
none		LINER RECORD					30.	T	CBING RECOR	VIC a
6123	тор: (МВ)	BOTTOM (MD)	SACKE	*TERMES	SCHEEK (M	(ס	3122	5	SPTE SET (MD)	
							2 7/8	3" 7	7991	77991
		1	<u> </u>							
Parties 70	20' - 7860	•			32.					SQUEEZE ETC.
	n (40 hole				7820-78		(AD)			2% HCT acid W/
4 C39 90	11 (40 11016	3)			7020-70	300				ealers. Frac us
										& 122,750# 16/
									a Sand.	
.•					OUCTION .					
TE FIRST PRODUCT	1	CCTION METHOD (/	lawing, s	jas ilft, pr	m punq size	and typ	e of pum	(P)	skut-in	•
4-7-94	FIG	owing	2505	N. FOR	016-486		GAR-NC	T.	Produ	UCING BATTO
4-13-94	24	18/64		PEE100	189	ļ	172		57	910
IW. TUBLING PRINCE	CASING PRESECT		Ott.	431	GA#	HCT.		WATER-		IL GRAFITT-APT (CORE.)
550#	1120#	24-ROUE RATE	-1:	89	1	72	1	57		46.0
DISPOSITION OF G	AB (8014, seed for	(nat, vented, etc.)	<u></u>				<u>'</u> _	; 1	TEST WITHBURE	D 27
Sales & Le			<u></u>	\\CC!			<u> </u>			
LIST OF ATTACE				1	₹. ₹.	a sk	i	1		 ,
	above logs			1 1	7.	-100-1	- 1	<u>i</u>		
i mereny certify	CORE Checloresold	and attached in	totmatict	1				1		
LIGNED TE	Maile		_ TI	<u>:</u>	enior Pr	oduc	tion	Clerk	_ DATE _	4-15-94
- <u>'</u> "					_					

P 237 023 659

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

Fitte 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. Settious or fraudulent statements or representations as to any matter within its jurisdiction.

FORMATION	. 401	воттом	2000	THE STREET STREET				
				TION, CONTENTS,	stc.	NAME	MEAS, DEPTH	TRUF TRUF
			No DST's	· ·	•	T/Rustler	370'	370'
			No Cores	•	· · · · · · · · · · · · · · · · · · ·	T/Salt B/Salt	715' 3792'	715' 3792'
60						I/Delaware Mtn. Group T/Cherry Canyon T/Brushy Canyon T/Bone Spring Lime	4029' 4981' 6284' 7919'	40291 49811 62841 79191
NFII								
DEM						20	,	
1 1 W				· •				
ır		ر مستار						
· .					λ			

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

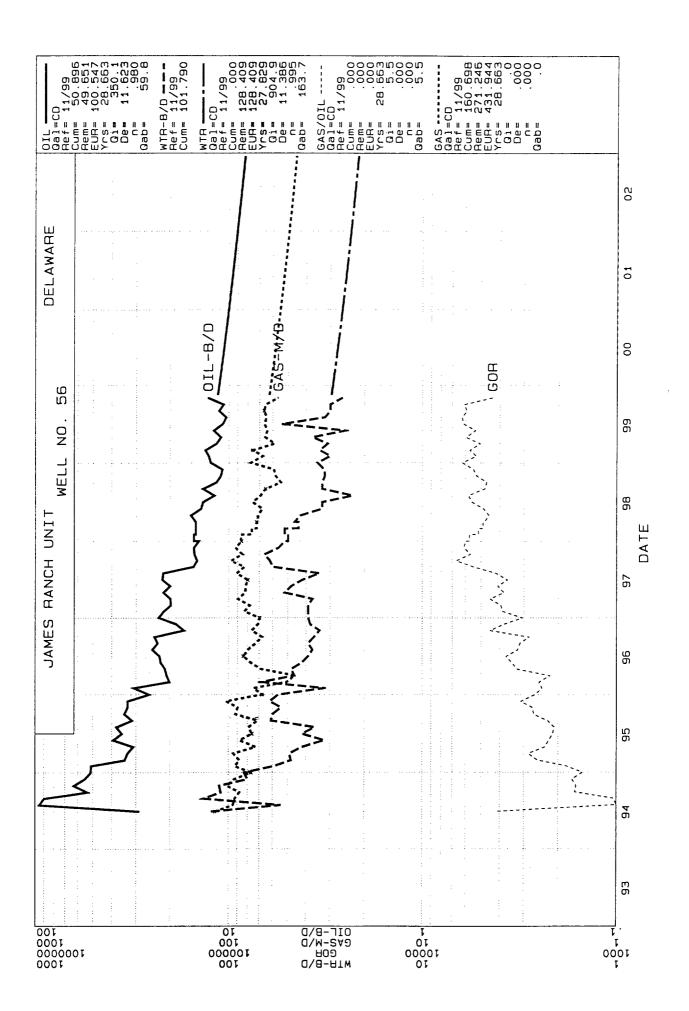
WELL DATA

WELL		JAMES RANCH UNIT	# 56	FORMATION _		DELAW	ARE
LOCATION	c	UNIT,830	FEET FROM NO	TH_LINE &	2310	_FEET FROM	WEST L
SECTION	17TOWNSHIP	23S, RANGE	31E, COU	NTY	EDDY		, NEW MEXIC
SPUD DATE	5/13/94	_ COMPLETION DATE	6/15/94	INITIAL PRODU	CTION		6/15/94
PERFORATIO	ONS <u>7830-70'</u>			*****	· · · · · · · · · · · · · · · · · · ·		
STIMULATIO	ON:						
	ACID						
	FRACTURE	7830-70', 66,700 GA	LS GEL + 125,000# 16	/30 OTTAWA SAND -	+ 15,000# R	cs	
POTENTIAL	6/19/1994 330 BOPD, 2	280 MCFPD, 201 BWPD					
Attach Copy	of C-105. Attach Copy of	Wellbore Sketch of Compl	eted Well.)				
		•	/O.L.ID4FTD16	3111 A TIQLI			
			OLUMETRIC CALC	uLATION			
			SANDS PERFORATED			PERFORATED Y PRODUCTIV	
Area (A) pro	ration unit size, acres	40	_				_
Porosity (por)	, %	12.0%				_	
Water saturati	on (Sw), %	60%			· · · · · · · · · · · · · · · · · · ·	_	
Net Thickness	(h), ft.	<u>· 100°</u>				_	
Temperature	(T), Fahrenheit	120	<u> </u>			_	
	pressure (P), psia	3,399	_	 -		-	
Bottom Hole				 -		_	
	or (RF), %	16%	-			-	
Recovery facto	or (RF), % il, Bbls. *(See eq. below)	16% 158,884				<u>-</u>	
Recovery facto				-		_	
Recovery facto		158,884		-		-	

PERFORMANCE DATA

					
(If sufficient history exists,	attach plot of oil production ra	ate v time.)			
CUMULATIVE PRODUC	TION TO11/1	/99	50896 BBLS		
INITIAL RATE (qi)	_		350		
ECONOMIC LIMIT (qi)	_		60		
DECLINE RATE, dy	_	Hyberolic	d = 11.62% n = .98		
REMAINING OIL (Q) =	_	-	47504		
ULTIMATE RECOVERAL	BLE OIL		98400		
(Attach plat showing pror.	ation unit and participating area	i.)			
		ECO	NOMIC		
WELL COST \$	570,000 (to the depth	of formation completed)			
RECOMPLETION COST		,			
TOTAL COST \$	570,000				
				10% NET BFIT	
YEAR	GROSS OIL	REVENUE	OPERATING COST	DISCOUNTED CASH FLOW	
ZERO	0	0	0	-570,000	
1	13,400	218,500	37,900	175,400	
2	12,800	244,700	46,400	178,000	
3	8,200	208,100	42,200	134,700	
		,	42,000		
4	6,700	184,000		104,300	
5	5,200	110,700	35,100	49,000	
6	4,200	112,100	33,900	47,100	
7	3,900	128,400	29,700	53,700	
8	3,500	101,100	27,600	36,200	
9	3,200	87,400	26,500	27,200	
10	2,900	77,400	25,700	20,800	
REMAINDER	34,400	919,700	513,200	89,500	

WELL IS COMMERCIAL



CALCULATED DATA DATE : 02/08/00
TIME : 07:53:43
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 5

)

		 		H	TUT D	ATA	! ! ! ! ! ! !	! ! ! !	1 1 1 1 1 1 1 1	CAL	CULAT	ED DAT	! !
STANE 11/99 11/99 11/90	ITEM	SCHEDULING	RATES	1	SCHEDULE	UNTIL	PROCEDURE	1	ULTIMATE	LAST			FINAL RATE
OLI		11/99											
STATE SALE SALE MASS SALE MASS SALE MASS SALE MASS SALE MASS SALE MASS		350.13		B/M	07/2011	T AD	H/0.980	11.62	81.183	6/11	11.62	350.	143.
PRINCIPATE SOLUTION SOlution Solutio		5.46	. 46	M/B	01/2097	ΑD	LIN	TIME		12/96			
STARET 6/94		904.93 381.38		в/м	03/2011 50.93		H/0.995 EXP	11.39 5.00	77.477 128.409	2/11 8/27	11.39 5.00	905. 381.	381. 164.
PRI/OIL 16.8800 X \$/8 1/95, MM/YY PC00 6/28 16.880 16.88		6/94			-								
18.39 X 5/B 11/96 AD PC .00 6/28 23.00 23.		16.8800		\$/B	1/95	XX/WW	Эď	. 00		6/28		16.880	6
12.574 X 5/B 1/99 AD PC 0.00 12/95 14/95 1	518 "	18,39 22,26		\$/B	1/96 1/97	AD AD	S S	. 00		6/28		18.390	
14.43 X 5/B 1/2007 ADD PC .00 12/98 .00 .01/98 .00		20.74		\$/B	1/98	₽	PC	.00		12/97		20.740	
		14.43		\$/B	1/99	A D	S P	. 00		12/98		14.430	14.430
		24.94		\$/B	1/2001	8	Ođ	. 00		12/00		24.940	24.940
	523 "	20.67		\$/B	1/2002	AD	PC	. 00		12/01		20.670	20.670
	525 ± :	18.18		8/B	1/2003	A A	אַ ה			12/02		19.200	19.200
PRII/GAS 1.8900 X S/M 1/95 MM/YY PC .00 6/28 1.890 1.890 X S/M 1/95 ADD PC .00 12/95 22.95 X S/M 1/97 ADD PC .00 12/95 2.295 2.21 X S/M 1/99 ADD PC .00 12/95 2.500 2.500 2.500 2.500 2.500 AD PC .00 12/95 2.500 2.590 2.590 2.590 2.590 2.590 2.590 2.590 2.590 2.590 2.590 2.590 2.590 2.590 2.590 2.590 2.590 2.250	526 "	18.13		\$/B	TO	LIFE	Ođ	. 00		6/28		18.130	18,130
		1.8900		S/X	1/95	XX/WW	S C	. 00		6/28		1.890	1.890
		2.61		\$/M	1/97	AD &	יאַ לי	. 00		12/96		2.610	2.610
		2.59		S/M	1/98	8 8	S S	. 00	÷	12/97		2.590	2.590
"" 2.60 X 5/M 1/2001 AD 1/2002 AD		2.27		\$\X X X	1/2000	8		. 00		12/99		2.270	2.270
PRI/WIT		2.60		S/M	1/2001	A)	РC	. 00		12/00		2.600	2.600
PRI/WTR .5000 .5000 \$/U 1/2000 AD PC .00 5/94 .5000 .5000 .5000 .70 LIFE PC .00 .504 .5000	539 =	2.57		W/S	TO TO 2	LIFE	PC FC	. 00		6/28		2.570	2.570
OPC/T 1600.00 X \$/M TO LIFE SCH OPC 6/28 1600.0000 1600.000 1600.000 1600.000		.5000		\$/U \$/U	1/2000 TO	AD LIFE	DG Od	. 00		5/94 12/95		.500	.500 1.940
STX/OIL STYX/GAS 7.08 7.93 X \$ TO LIFE LIFE PC .00 6/28 6/28 .071 6/28 .071 207 ATX 1.17 X \$ TO LIFE LIFE PC .00 6/28 .002 .002 PRI/GIA 9100 1300 \$/M TO LIFE LIFE PC .00 6/28 910 6/28 910 130 18 PRI/GIAS 1300 1300 \$/M TO LIFE PC PC .00 6/28 910 6/28 1.900 130 18 DWI/WI 100.0000 D \$ TO LIFE PC FLAT .00 6/28 1.000 1 DWI/WI 100.0000 D \$ TO LIFE FLAT .00 6/28 1.000 1 DWI/WI 1.25000 D \$ TO LIFE FLAT .00 6/28 1.125 1.125 DWI/WI 1.000 D \$ TO LIFE FLAT		1600.00	×	\$/M	To	LIFE	SCH	OPC		6/28		1600.000	1600.000
ATTX .17 X \$ TO LIFE PC .00 6/28 910 .002 PRI/OIL PRI/GAS 91001300 \$/M TO LIFE PC .00 6/28 910 18 LISE/WI 100.0000 D N TO LIFE PC .00 6/28 1.000 1 OWN/WI 100.0000 D N TO LIFE PLAT .00 6/28 1.000 1 LISE/RIC 12.5000 D N TO LIFE PLAT .00 6/28 1.000 1 OWN/RI .0000 B N TO LIFE PLAT .00 6/28 1.000 1		7.08 7.93	××	<i>*</i>	77	HIFE	PC Oq	. 00		6/28 6/28		.071	.071
PRI/OIL PRI/GAS 91009100 \$/M TO LIFE PC PC PC PC PC PC PC PC PC PC PC PC PC		. 17	×	*	io	LIFE	РC	. 00		6/28		.002	.002
LSE/WI 100.0000 D \$ TO LIFE FLAT .00 6/28 1.000 OWN/WI 100.0000 D \$ TO LIFE FLAT .00 6/28 1.000 LSE/RIC 12.5000 D \$ TO LIFE FLAT .00 6/28 .125 OWN/RI .0000 D \$ TO LIFE FLAT .00 6/28		9100 1300	.9100 .1300	\$/B	ខេត	TIFE	DQ Oq	. 00		6/28 6/28		910 130	18.130 2.570
OWN/WI 100.0000 D \$ TO LIFE FLAT .00 6/28 1.000 LSE/RIC 12.5000 D \$ TO LIFE FLAT .00 6/28 .125 OWN/RI .0000 D \$ TO LIFE FLAT .00 6/28		100.0000	ם	ь	To	LIFE	FLAT	.00		6/28		1.000	1.000
LSE/RIC 12.5000 D % TO LIFE FLAT .00 6/28 .125 . OWN/RI .0000 D % TO LIFE FLAT .00 6/28		100.0000	ם	**	To	LIFE	FLAT	. 00		6/28		1.000	1.000
OWN/RI .0000 D % TO LIFE FLAT .00		12.5000	Ð	*	TO	LIFE	FLAT	. 00		6/28		.125	.125
		. 0000	b	**	TO	LIFE	FLAT	.00		6/28			

PROJECT ASSUMPTIONS BASE DATE : 6/9 P.W. DATE : 6/9 REPORT DATE : 6/9	201 LOSS 1 205 CUMO, MB 210 LOSS 1	70	800 DRILL 801 SALVAGE	INVESTMENT	905 LOAD 910 LOAD 915 LOAD	OVERLAYS	761 OWN/ORR	740 LSE/RIG 760 LSE/ORR
MPTIONS : 6/94 : 6/94 : 6/94	NO 50.90	ARAMETERS	240.00	TANGIBLES & INTANGIBLES	P.OIL OIL # P.GAS GAS # P.WATER WTR	SCHEDULING RATES	.0000	12.5000
TIME FRAMI PW %-AGE PROD QUAL			330.0	INI 3	#	3 RATE	ט	ם ם
	сима, ммг	ITEM	330.00 M\$G	ANGIBLES		S S	*	* *
1*7 38*12 1*600 10.0 DIS	160.70		06/94 TO	TIME		SCHEDULE UNTIL	то	TO TO
1*600 DISC. FREQUOWNER QUAL			AD			UNTIL	LIFE	TIFE
FREQUENCY :	CUMI, MB	ITEM	 	PROCEDURE		PROCEDURE	FLAT	FLAT
365. CD			! ! !				.00	. 00
ОТН			570.000	TOTAL T&I	51.282 162.388 101.790	ULTIMATE		
OTHER QUAL :			6/94	HTNOM	2/00 2/00 2/00	LAST	6/28	6/28 6/28
 G	,			RISK		EFF. D		
			!	INV.		DECL		
			570.0	RISK INV. TOT. TEIER		INIT. RATE		
			570.0			RATE		. 125
			570.0	ESC. T&I&R		FINAL RATE		. 125

JAMES RANCH UNIT #56
PREPARED BY: KENT ADAMS

DATE : 02/08/00
TIME : 07:53:43
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 5

Ì

RESERVES AND ECONOMICS EFFECTIVE DATE: 6/94

PRESENT WORTH @ 10.00 &	ECONOMICS, M\$	WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	PERIOD ENDING OWNERSHIP 1) WORKING INTEREST, \$ 2) REVENUE INTEREST, \$
175.4 570.0 -394.6	218.5 15.7 11.2 10.7 10.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	21.3 21.3	20.3 17.8 31.3 1.760	13.4 11.7 187.2 15.97	.0 570.0 .0 570.0	12/94 100.000 87.500
178.0 .0 178.0 -216.6	244.7 17.7 19.2 9.1 .0 .0 .0 198.2 198.2	18.3 18.3	30.9 27.0 48.9 1.810	12.8 11.2 195.9 17.48		12/95 100.000 87.500
134.7 .0 134.7 -81.9	208.1 15.2 .3 19.2 7.5 .0 .0 .0 .0 .165.9	15.1 15.1 .500	25.6 22.4 55.5 2.480	8.2 7.2 152.7 21.35	0000	12/96 100.000:
104.3 .0 104.3 22.5	184.0 13.6 3 19.2 8.9 .0 .0 142.0	17.9 17.9	31.3 27.4 67.5 2.460	6.7 5.9 116.5 19.83		12/97 100.000 :
49.0 .0 49.0 71.5	108.7 8.1 2.2 19.2 7.6 0.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	15.2 15.2	27.0 23.6 26.7 1.980	5.2 4.6 62.0 13.52		2/97 12/98 12/98 12/98 12/98 12/98
47.1 .0 47.1 118.6	112.1 8.3 .2 19.2 6.2 .0 .0 .0 .78.2	12.4 12.4 .500	23.6 20.7 44.3 2.140	4.2 3.7 67.8 18.34		12/99
53.7 .0 53.7 172.3	128.4 9.5 19.2 19.2 0.0 0.0 98.7	10.0 10.0	21.2 18.6 45.9 2.470	3.9 3.4 82.5 24.03		12/00 100.000 87.500
36.2 .0 36.2 208.5	101.1 7.5 .2 19.2 .7 .0 .0	9.0	19.0 16.7 40.8 2.450	3.5 3.1 60.3 19.76		12/01 100.000 : 87.500
27.2 .0 27.2 235.7	87.4 6.5 .1 19.2 .7 .0 .0 .0 .0 .0	8.2 8.2	17.3 15.1 36.9 2.440	3.2 2.8 50.6 18.29		12/02 100.000:
20.8 .0 20.8 256.6	77.4 5.8 119.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	7.5 7.5	15.8 13.8 33.7	2.9 2.5 43.7 17.27		12/03 100.000 87.500
826.6 570.0 256.6 256.6	1470.5 107.9 2.3 184.0 52.8 .0 .0 .0 .1 1123.4 570.0	134.9 134.9	232.0 203.0 451.3 2.223	64.0 56.0 1019.2	.0 570.0 .0 570.0	S TOT
89.5 9 90.5	919.7 68.5 1.4 440.0 3.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	40.8 40.8	188.0 164.5 401.3	34.4 30.1 518.4 17.22	-24.0 -24.0	AFTER
916.1 569.1 347.0 347.0	2390.2 176.5 3.8 624.0 56.1 .0 .0 .0 .1529.9 983.9	175.7 175.7	420.0 367.5 852.6 2.320	98.4 86.1 1537.6 17.85	.0 546.0 .0 546.0	32.5 YR TOTAL 100.000 87.500

)

DATE : 02/08/00 TIME : 07:53:43 DBS FILE : JRUPA SETUP FILE : CD SEQ NUMBER : 5)

AFTER TAX ECONOMICS

				EFFECT	EFFECTIVE DATE: 6/94	E: 6/94							
PERIOD ENDING	12/94	12/95	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	S TOT	AFTER	TOTAL
TAX TREATMENT OF INVESTMENTS, M\$	ENTS, M\$	1 1	1	1	1	!		1 1 1 1	† 	t 1 1	1 1 1 1	1	1
1) BYB BYBY C CAB TWE		>	5	>	•	•	5	>	>	>	,	,	,
!		. ;	. ;	. ;	. ;								. 0
	240.0	. 0	. 0	. 0	. 0	. 0	.0	. 0	. 0	. 0	240.0	-24.0	216.0
TAX CALCULATIONS, M\$													
))) : :	3	,) 								
4) GROSS REV. TO INTR.	218.5	244.7	208.1	184.0	108.7	112.1	128.4	101.1	87.4	77.4	1470.5	919.7	2390.2
5) - SEVERANCE IAA	n .	٠,٠	0 . v	. 6	۵. - ۲	o .	O	· • •	σ • υ	υ	T07.9	6 8 . U	176.5
1	22.2	28.7	27.1	28.4	27.0	25.6	20.2	20.1	20.0	19.9	239.1	444.7	683.9
+	. 0	. 0	. 0	. 0	.0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0
,	.0	.0	.0	. 0	. 0	.0	. 0	.0	. 0	. 0	. 0	. 0	. 0
11) - DEPRECIATION	20.0	4.	49.0	 	уя Э	27 .0	2] . O				330.0		330.0
	-169.4	149.7	116.9	107.0	48.7	56.8	77.3	53.9	60.9	51.7	553.4	406.4	959.9
13) - DEPLETION	. 0	.0	.0	. 0	. 0	.0	. 0	. 0	. 0	. 0	. 0	. 0	. 0
								. 0	. 0	. 0	. 0	.0	. 0
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 4.35	35.0	35.0
ı	. 0	. 0	.0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0
,	. 0	.0	.0	.0	.0	.0	. 0	. 0	. 0	. 0	.0	. 0	. 0
19) = F.I.T.	-59.3	52.4	40.9	37.4	17.0	19.9	27.0	18.9	21.3	18.1	193.7	142.3	336.0
20) REVENUE-SEV-WPT	202.8	227.0	192.9	170.4	100.7	103.8	118.9	93.6	80.9	71.6	1362.6	851.1	2213.7
21) - OPR. COSTS & ATX	22.2	28.7	27.1	28.4	27.0	25.6	20.2	20.1	20.0	19.9	239.1	444.7	683.9
+	. 0	.0	. 0	.0	.0	.0	. 0	.0	.0	.0	. 0	. 0	. 0
ī	-59.3	52.4	40.9	37.4	17.0	19.9	27.0	18.9	21.3	18.1	193.7	142.3	336.0
•	239.9	145.9	124.9	104.5	56.7	58.4	71.6	54.7	39.6	33.6	929.7	264.2	1193.9
25) - LOAN REPAYMENT					. 0	.0			.0	. 0	.0	. 0	.0
,								.0	.0	.0	.0	.0	.0
	239.9	145.9	124.9	104.5	56.7	٠. 4.	71.6	54.7	39.6	33.6	929.7	264.2	1193.9
29) - A F T T NET	1370.0	145.0	134.0	n c	, .	n .		n	30.0		570.0	-24.0	546.0
	1	,	1	1	•	;						6	
PRESENT WORTH @ 10.00 %													
30) NET INCOME	233.0	130.9	101.5	76.8	37.7	35.1	39.0	26.9	17.7	13.6	712.2	58.2	770.4
ANI	570.0	.0	.0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	570.0	9	569.1
A.F.I.T. NET	-337.0	130.9	101.5	76.8	37.7	35.1	39.0	26.9	17.7	13.6	142.2	59.1	201.4
33) CUM. A.F.I.T. NET	-337.0	-206.0	-104.5	-27.7	10.0	45.1	84.1	111.0	128.7	142.2	142.2	201.4	201.4

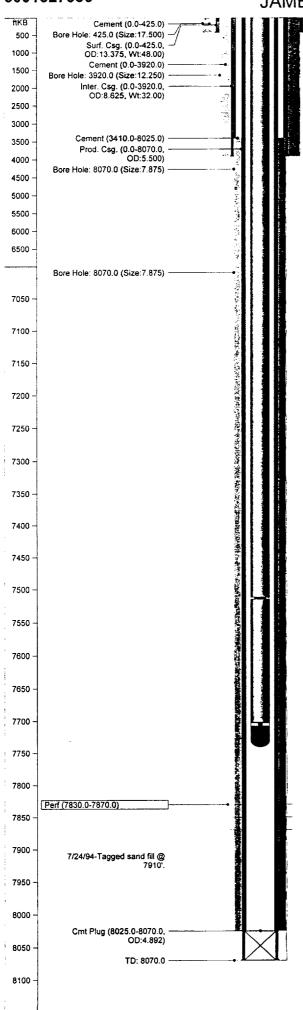
DATE : 02/08/00
TIME : 07:53:43
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 5

)

ECONOMIC INDICATORS

AS OF DATE: 6/94

DISCOUNTED NET/INVEST.	UNDISCOUNTED NET/INVEST.	DISCOUNTED PAYOUT, YRS.	UNDISCOUNTED PAYOUT, YRS.	RATE OF RETURN, PCT.	100.	80.	70.	60.	50.	40.	30.	20.	10.	8.	6.	υ·.	2.	0.	B.F.I. WORTH M\$ PRESENT WORTH PROFILE AND RATE-OF-RETURN VS. BONUS TABLE
1.61	T. 2.80	. 3.37	RS. 2.76	27.3	-332.560	-289.879	-261.704	-226.663	-181.690	-121.448	-35.641	98.768	347.023	425.309	520.449	576.124	788.366	983.863	B.F.I.T. WORTH MS MS
1.35	2.19	4.32	3.15	22.2	-297.165 -313.771	-277.707	-254.476	-226.074	-190.265	-143.206	-77.610	22.474	201.370	256.757	323.687	362,723	511.146	647.911	A.F.I.T. WORTH MS
					-316.731 -332.949		-274.378	-245,657	-208.804	-159.250	-87.951	26.254	250.206	325.978	422.546	481.694	729.219	996.786	A.F.I.T. BONUS MS



JAMES RANC	H UNIT #	<i>i</i> 56					
API No.	30015		Sta	itus		ACT O	IL.
TD	8070.0			gineer		KAA	
PBTD	8025.0						
Operator	BEP		Pe	rmit			
Well No.	56		Sp			5/13/9	4
ID Code	CHMXD	VE.056	RR			5/28/9	
Field	LOS ME	DANOS	Co	mpletion		6/19/9	4
Author	R.A			st Act.			
Date Updated	1/27			andoned			w.m
Comments	Drilled by	Santa F	е		· 		
Location							
Township	S	023		<u>Latitude</u>		0	
				o Longitud		0	
Range	E	031		NS Dista		830.0	
			To	EW Dist	ance	2310.0	
Section		17		ttom Latitu		0	
Unit Ltr.		С	Bo	ttom Long		0	
State		Mexico	Btr	n NS Dista		0.0	
County	<u></u>	ddy	Btr	n EW Dist	ance	0.0	π
Elevations		0400	- 10	- F			
KB		34.0 ft		s Fing		0.0	
Grd KB C		21.0 ft	Tul	o Head	-	0.0	π
KB-Grd		3.0 ft			<u> </u>		
Casing String	·		,		187		
ltem	Top	Btm	Jnts	ID	Wt	Grd	Thd
(in) 13 3/8 in Surf.	(ftKB)			40.700	40.00		
	0.0	425.0	10	12.720	48.00	H-40	STC
Csg.						!l	
Casing String					100		
Item		Btm	Jnts	ID	Wt	Grd	Thd
(in)	(ftKB)					L	
8 5/8 in Inter.	0.0	3920.0	90	7.921	32.00	J-55	STC
Csg.			<u></u>			Ll	
Casing String							
Item	Тор		Jnts	ID	Wt	Grd	Thd
(in)		(ftKB)			2.22		
5 1/2 in Prod.	0.0	8070.0	187	4.892	0.00	J-55 &	LTC
Csg.	!!					K-55	
Casing Ceme							
Casing Strin	1a i	Гор	Amou		Con	nments	
			(sx)	250			
0.4 0		tKB)					
Surface Casing	(f	0.0		350			
Intermediate Ca	(f sing	0.0	11	000	hy CDI		
Surface Casing Intermediate Cas Production Casin	(f sing	0.0 0.0 3410.0	11		by CBL		
Intermediate Cas Production Casir Tubing String	sing ng - Primar	0.0 0.0 3410.0 y Tubi	ng	000 750 TOC		Card	The
Intermediate Casi Production Casir Tubing String Item	sing ng - Primar Top	0.0 0.0 3410.0 y Tubi Btm	ng ı Jnt	000 750 TOC	by CBL	Grd	The
ntermediate Casi Production Casir Tubing String Item (in)	sing ng - Primar Top (ftKB)	0.0 0.0 3410.0 y Tubi Btm (ftKB	ng ı Jnt	000 750 TOC s ID (in)	Wt		<u>.</u>
ntermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg	sing ng - Primar Top (ftKB)	0.0 0.0 3410.0 y Tubi Btm (ftKB	ng i Jnt 3)	000 750 TOC s ID (in) 2.44	Wt 1 6.5	0 J-55	<u>.</u>
ntermediate Casi Production Casin Tubing String Item (in) 2 7/8 in Tbg 2 7/8 in TAC	sing ng I - Primar Top (ftKB) 0.0	0.0 0.0 3410.0 y Tubi Btm (ftKB 0 7512	ng i Jnt 3)	000 750 TOC s ID (in) 2.44 0.00	Wt 1 6.5 0 0.0	0 J-55 0	8rd
ntermediate Casi Production Casin Tubing String Item (in) 2 7/8 in Tbg 2 7/8 in TAC 2 7/8 in Tbg.	(fising ng Primar Top (fiKB) 0.0 7512.0 7515.0	0.0 0.0 3410.0 y Tubi Btm (ftKB 0 7512 0 7515	ng i Jnt 3) 3.0	000 750 TOC s ID (in) 2.44 0.00 2.44	Wt 1 6.5 0 0.0 1 6.5	0 J-55 0 J-55	8rd
Intermediate Casi Production Casin Tubing String Item (in) 2 7/8 in Tbg 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN	(f sing ng - Primar Top (ftKB) 0.0 7512.0 7515.0 7702.0	0.0 0.0 3410.0 y Tubi Btm (ftKB 0 7512 0 7515 0 7702	ng Jnt 3)0	000 750 TOC s ID (in) 2.44 0.00 2.44 0.00	Wt 1 6.5 0 0.0 1 6.5 0 0.0	0 J-55 0 J-55	8rd
ntermediate Casi Production Casin Tubing String Item (in) 2 7/8 in Tbg 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS	(f sing ng - Primar Top (ftKB) 0.0 7512.0 7515.0 7702.0 7703.0	0.0 0.0 3410.0 y Tubi Btm (ftKB 0 7512 0 7515 0 7702 0 7703 0 7708	ng Jnt 3)0 5.00 5.00	000 750 TOC s ID (in) 2.44 0.00 2.44 0.00	Wt 1 6.5 0 0.0 1 6.5 0 0.0 0 0.0 0 0.0	0 J-55 0 J-55 0 J-55 0	8rd
ntermediate Casi Production Casin Tubing String tem (in) 2 7/8 in Tbg 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud	(f sing ng - Primar Top (ftKB) 0.0 7512.0 7515.0 7702.0	0.0 0.0 3410.0 y Tubi Btm (ftKB 0 7512 0 7515 0 7702 0 7703 0 7708	ng Jnt 3)0 5.00 5.00	000 750 TOC s ID (in) 2.44 0.00 2.44 0.00	Wt 1 6.5 0 0.0 1 6.5 0 0.0 0 0.0 0 0.0	0 J-55 0 J-55 0 J-55 0	8rd
ntermediate Casi Production Casin Tubing String tem (in) 2 7/8 in Tbg 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor	(find sing sing sing sing sing sing sing sing	0.0 0.0 3410.0 y Tubin (ftKB 0 7512 0 7515 0 7702 0 7703 0 7708 0 7741	ng Jnt 3) Jnt 3)	S ID (in) 2.44 0.00 2.44 0.00 0.00 0.00	Wt 1 6.5 0 0.0 1 6.5 0 0.0 0 0.0 0 0.0	0 J-55 0 J-55 0 J-55 0	8rd
ntermediate Casi Production Casin Tubing String tem (in) 2 7/8 in Tbg 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor Other (plugs,	(find sing sing sing sing sing sing sing sing	0.0 0.0 3410.0 y Tubil Btm (ftKB 0 7512 0 7702 0 7703 0 7708 0 7741 ttc.) - P	ng 1 Jnt 3) 3.0 3.0 3.0 3.0 3.0	S ID (in) 2.44 0.00 2.44 0.00 0.00 0.00	Wt 1 6.5 0 0.0 1 6.5 0 0.0 0 0.0 0 0.0	0 J-55 0 0 J-55 0 0 0 0 0	8rd
ntermediate Casi Production Casin Tubing String tem (in) 2 7/8 in Tbg 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor	(find sing sing sing sing sing sing sing sing	0.0 0.0 3410.0 y Tubin (ftKB 0 7512 0 7515 0 7702 0 7703 0 7708 0 7741	ng 1 Jnt 3) 3.0 3.0 3.0 3.0 3.0	S ID (in) 2.44 0.00 2.44 0.00 0.00 0.00	Wt 1 6.5 0 0.0 1 6.5 0 0.0 0 0.0 0 0.0	0 J-55 0 J-55 0 J-55 0 O	8rd 8rd
ntermediate Case Production Casin Fubing String tem in) 2 7/8 in Tbg 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor Other (plugs,	(find sing sing sing sing sing sing sing sing	0.0 0.0 3410.0 y Tubil Btm (ftKB 0 7512 0 7702 0 7703 0 7708 0 7741 ttc.) - P	ng 1 Jnt 3) 3.0 3.0 3.0 3.0 3.0	S ID (in) 2.44 0.00 2.44 0.00 0.00 0.00	Wt 1 6.5 0 0.0 1 6.5 0 0.0 0 0.0 0 0.0 0 0.0	0 J-55 0 J-55 0 J-55 0 O Int	8rd 8rd
ntermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor Other (plugs, Date 7/12/94	(find sing sing sing sing sing sing sing sing	0.0 0.0 3410.0 y Tubil Btm (ftKB 0 7512 0 7702 0 7703 0 7708 0 7741 ttc.) - P	ng 1 Jnt 3) 3.0 3.0 3.0 3.0 3.0	S ID (in) 2.44 0.00 2.44 0.00 0.00 0.00	Wt 1 6.5 0 0.0 1 6.5 0 0.0 0 0.0 0 0.0 0 0.0	0 J-55 0 J-55 0 J-55 0 O	8rd 8rd
Intermediate Case Production Casin Tubing String Item (in) 2 7/8 in Tbg 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 7/12/94 Perforations	(find sing sing sing sing sing sing sing sing	0.0 0.0 3410.0 y Tubi Btm (ftKB 0 7512 0 7702 0 7702 0 7708 0 7741 ttc.) - P	10 ng 1 Jnt 3) 3.0 3.0 3.0 3.0 10g Ba	s ID (in) 2.44 0.00 2.44 0.00 0.00	Wt 1 6.5 0 0.0 1 6.5 0 0.0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0	0 J-55 0 0 0 J-55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8rd 8rd) 070.0
ntermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor Other (plugs, Date 7/12/94	(find sing sing sing sing sing sing sing sing	0.0 0.0 3410.0 y Tubil Btm (ftKB 0 7512 0 7702 0 7703 0 7708 0 7741 ttc.) - P	10 ng 1 Jnt 3) 3.0 3.0 3.0 3.0 10g Ba	s ID (in) 2.44 0.00 2.44 0.00 0.00	Wt 1 6.5 0 0.0 1 6.5 0 0.0 0 0.0 0 0.0 0 0.0 80 Shots	0 J-55 0 J-55 0 J-55 0 O Int	8rd 8rd) 070.0
Intermediate Case Production Casin Tubing String Item (in) 2 7/8 in Tbg 2 7/8 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 7/12/94 Perforations Date	(f sing ng] - Primar Top (ftKB) 0.0 7512.0 7703.0 7708.0 equip., e	0.0 0.0 3410.0 y Tubin Btm (ftKE) 0 7515 0 7702 0 7703 0 7708 0 7741 ttc.) - P	10 ng 1 Jnt 3) 3.0 3.0 3.0 3.0 3.0 3.0 .0	s ID (in) 2.44 0.00 2.44 0.00 0.00	Wt 1 6.5 0 0.0 1 6.5 0 0.0 0 0.0 0 0.0 0 0.0 80 Shots (/ft)	0 J-55 0 0 J-55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8rd 8rd) 070.0
Intermediate Case Production Casin Tubing String Item (in) 2 7/8 in Tbg 2 7/8 in TAC 2 7/8 in TSN 2 7/8 in PS 2 7/8 in Mud Anchor Other (plugs, Date 7/12/94 Perforations Date 6/4/94	(fing sing sing sing sing sing sing sing s	0.0 0.0 3410.0 y Tubin Btm (ftKB 0 7512 0 7702 0 7703 0 7708 0 7741 tc.) - P Ite	10 ng 1 Jnt 3) 3.0 3.0 3.0 3.0 3.0 3.0 .0	s ID (in) 2.44 0.00 2.44 0.00 0.00	Wt 1 6.5 0 0.0 1 6.5 0 0.0 0 0.0 0 0.0 0 0.0 80 Shots (/ft)	0 J-55 0 0 0 J-55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	070.0
Intermediate Case Production Casin Tubing String Item (in) 2 7/8 in Tbg 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 7/12/94 Perforations Date 6/4/94 Stimulations	(fing sing sing sing sing sing sing sing s	0.0 0.0 3410.0 y Tubin Btm (ftKB) 0 7512 0 7702 0 7703 0 7708 0 7741 ttc.) - P Ite	10 ng 1 Jnt 3) 1.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	000 750 TOC s ID (in) 2.44 0.00 2.44 0.00 0.00	Wt 1 6.5 0 0.0 1 6.5 0 0.0 0 0.0 0 0.0 0 0	0 J-55 0 J-55 0 0 O O O O O O O O O O O O O O O O O O	8rd 8rd 070.0
Intermediate Case Production Casin Tubing String Item (in) 2 7/8 in Tbg 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 7/12/94 Perforations Date	(fing sing sing sing sing sing sing sing s	0.0 0.0 3410.0 y Tubin Btm (ftKB 0 7512 0 7702 0 7703 0 7708 0 7741 tc.) - P Ite	10 ng 1 Jnt 3) 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	s ID (in) 2.44 0.00 2.44 0.00 0.00	Wt 1 6.5 0 0.0 1 6.5 0 0.0 0 0.0 0 0.0 0 0.0 80 Shots (/ft)	0 J-55 0 J-55 0 0 O O O O O O O O O O O O O O O O O O	8rd 8rd) 070.0

WELL HISTORY

WELL NAME:

James Ranch Unit No. 56

FIELD NAME:

Los Medanos (Delaware)

LOCATION:

830' FNL & 2310' FWL, Sec 17, T23S, R31E, Ut C,

Eddy County, New Mexico

ELEV:

3321' GL, 3334' KB

SPUD DATE:

5/13/94

COMP DATE:

6/15/94

ORIG TD:

8070'

ORIG PBTD:

8025'

CASING:

13-3/8" 48# H-40 ST&C CSA 425' w/350 sx, cmt circ, 17-1/2" hole 0-425'.

8-5/8" 32# J-55 ST&C CSA 3920' w/1000 sx, cmt circ, 12-1/4" hole 425-3920'. 5-1/2" 15.5# & 17# K-55 & J-55 LT&C CSA 8070' w/750 sx, TOC 3410' (CBL), 7-7/8" hole

3920-8070'.

TUBING:

2 7/8", 6.5#, J-55

DST:

None

CORES:

Core #1 7680-7740' - rec 59'. Core #2 7740-7800' - rec 60'. Core #3 7800-7860' - rec 60'. Core #4 7860-7914' - rec 54'.

LOGS:

5/27/94: CNL/LDT/GR/CAL/RIT/Sonic.

INITIAL COMPLETION

6/4/94-6/15/94

Run CCL/CBL/GR log.

6/4/94

Perf 7848-70' & 7830-47', 1 SPF.

6/7/94

Frac'd 7830-70' w/66,700 gals gel w/125,000# 16/30 Ottawa sd & 15,000# resin sd. Flowed well. CO sd to 7938'. Swab & flow well. IP: 6/18/94 24 hrs F 330 BO, 201 BW, & 280 MCF on 17/64" chk. FTP

260#, CP 1100#.

6/21/94

Bass Enterprises took over operations.

JAMES RANCH UNIT NO. 56 WELL HISTORY

WORKOVERS

7/12/94-7/14/94 PLACE ON ARTIFICIAL LIFT

Set pmpg unit. POH w/tbg. Tally showed PBTD 7910'. Run prod. equip. Put well on prod 7/14/94.

AWO: 8/30/94 24 hrs P 87 BO, 78 BW, & 103 MCF.

6/19/95 Rod Part

8/22/95 Rod pump failure.

P. O. Box 1980 Hobbs, PM 88240

P. O. Drawer DD Artesia. NM 88210

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

DISTRICT UI 1000 Rio Brazos Rd

WELL LOCATION AND ACREAGE DEDICATION PLAT

Aztec. NM 87410	All distances	must be from	n the outer boundar	ies of the se	ctian.
SANTA FE ENER	RGY OPER. PARTI	VERS, L.P.	James Ranch	Unit	Veil No. 56
Unit Letter Section	Township		Range		County
C	17 2	3 SOUTH	31 EAST, N.	Y.P.Y.	EDDY
Actual Postage Location	of Yell	······································			
830 feet f	rom the NORTH	line and	2310	feet from t	he WEST line
	roducing formation	T	Pool LOS MEDA		ne 11231 me
3321.	Delaware	135	Sand-Dunce,	West (Del	aware) 40
2. If more that to working it working it 3. If more than been consoli	n one lease is dedicanterest and royalty). If one lease of differentiated by communitized No. If answer is "no", list the or	ent awnership nation, unitiza er is "yes", wners and tra	well by colored pendell, autline each and is dedicated to the tion, forced—pooling, type of consolida	identify the well, have the etc.?	e marks on the plat below. awnership thereof (both as e interest of all the awners fly been consolidated. (Use
Na allawable unitizatian, f	side of this form if will be assigned to orced—pooling, or other the division.	the well unt	il all interests have ntil a non—standard	been cansali unit, eliminati	dated (by communitization, ng such interest, has been
		,			
	•	į	į	11	OPERATOR CERTIFICAT
		ł ,	į		I hereby certify that
	830	1	! 1		information herein is true
1	i	į .	į		complete to the best of
	<u>.</u>				knowledge and belief.
2310	<i>"</i>	!	ţ) 9	Ignature
†	ì	ì	i		Name Roberts
1		1	1	P	Darrell Roberts
1	; 1	\$ 		1 1 -	omition.
1	1	1	1		enior Drilling Engine
			i	1 1	ompeny
1	<u> </u>	[]	j		anta Fe Energy Oper.?
		į	1		ats
)	j	i i	i]]	November 11, 1993
		 			SURVEYOR CERTIFICATION
		•	1	1 1	I hereby certify that
			•	, , , , , , , , , , , , , , , , , , ,	ell location shown on this
	i			- L	as plotted from field notes
·				a	ctual surveys made by me
!	- 1	ASS	AT W. BUS	1 4	nder my supervision, and he same is true and con
į	į		NE VO		the best of my knowle
	j		B. Ro		nd belief.
!			10181		
	1	15.1	साउवक्षम । द्वा	10.	ta Surveyed
·	! 1	B ZB		.	SEPTEMBER 29, 1993
	į	Bisi B	J 58	31	gnature and Sasi of ofermonal Surveyor
		A S	and the same of		DICEMBER SULTEJUM
Ţ	1	188	UFESS YU.		•
į			1	_	
,	. 1		1		/
į	į		į t	\bigoplus	
<u></u>	_ !				PUTERLA No.
				· I——	RRY W. BUSBY R.P.S. #1
330 660 990 132	0 1650 1980 2310 264	a 2000	1500 1000 5	oc a Jo	08 NO. 99306 / 485E

UNITEDEDATE	FOR APPROVED OMB NO. 1004-0137 Gapiret December 31, 1991 Application from the serial no.
DEPARTMENT OF THE INTERIO	Are faire and feet programmer: December 31, 1991
BUREAU OF LAND MANAGEMENT	101 0 400 h C -071000 P

	E	BUREAU OF	LAND MAI	NAGEM	ENT		NOV	5	100 LC-07	71 988	3-8
WELL CO	OMPLETIO	N OR REC	OMPLE	TION	REPORT	AN					LOTTER OR TRIBE N
IL TYPE OF WE		OIL AND GAL					RE	CET	VE BT. I'NIT A		
₹ TYPE OF CO		werr 💢 wa	: <u> </u>	DRY 🖳	Other				THE A	CEKENE	NT NAME
HEW (X)	MORK -	EX	36 T 01	PP.	•				·		ich Unit
2. NAME OF OPER		EX [6.50	** U **	HYR.	Other				<u> </u>		ASE NAME, WELL
_		roduction	Co						9. AM WE		ich Unit #56
ADDRESS AN									30-01		886
P.O. Box	2760 Mid1	land, Tx.	79702	(915)	683-227	7			· · · · · · · · · · · · · · · · · · ·		OL OR WILDCAT
. LOCATION OF W	ELL Report loca	tion cicariy and	in accordant	ce with a	nu State reau	uremen	(£2) *	• •	Los M	ledan	os (Delawar
At surface &	30. FNE &	2310' FWL	ָוחט דס .	t Leti	ter (.			1	1	A., M.	. OR SLOCK AND BURY
At top prod. is	iterval reported	below	i	į		Ash			0 4	-	
A to A count dometh	same as a	bove			/ 8	<u> G0/</u>	l Ì	!	Sec.	17,	23S, 31E
At total deber		.2010	1 14 19	ERMIT NO		2477	:	<u>:</u> -	12. COUNT	-	17
						,		į	PARISH		13. STATE
DATE SPUDDED	I IA CATE TO	REACHED 17.	DATE COMPLY	Ready	(o arad.)				Eddy	1 10	NM SLEY, CARINOREAD
5-13-94	5-28-94		6-15-94	,		321 ¹			13		
. TOTAL DEPTH. MD		LUG, BACK T.D., M			TIPLE COMPL		23. INT			OLS	CASLE TOOLS
8070'		025'		INGLE	44870			LLED			
PRODUCING INTE						•			V 0010	1 2	S. TAR DIRECTIONAL
											SCRVET MADE
7830 '- 7870'	(40 HOLE	S) DELAWA	RE						-		NO
TYPE ELECTRIC										1	ATE AATT CORED
DUAL LATERO	LOG/MICRO	-SFL GR -	COMPENS	ATED	NEUTRON	LIT	HO-DEN	YS I T	Y GR	YE	<u>S</u>
					port all sering	a ses is	cuell)				
ASING SIZE/GRADE	TEIGHT, LE		3ET (MD)	-	1 / 2 ()	6:5			CEMENTING RECOR		AMOUNT PULLED
.3 3/8"	48#	. 42		17						<u>C"</u>	NONE
8 5/8" 5 1/2"	32#	3920		12	1/4" 7/8"	·				C"	NONE
5 1/2"	15.5 & 1	<u>7# 807</u>	<u>) </u>	·	//8	1.0	<u>.l. 34</u>	F I U	<u>-750SX "C</u>	<u> ү. н</u>	NONE
· · · · · · · · · · · · · · · · · · ·	,	LINER RECOI	20	<u>'</u>		' 	30.		TUBING REC	ORD	SEATING NIF
SIZE	TOP (MB)	101:0H (HD)	SACKE C	EMENT"	JCREEN (M	01	3122	1	08FTH 88T (1	MD)	*XXXXX ser (xp)
			_				2 7/8	111-	7905'		7905'-
			_			-					
PERFORATION REC	ORD (Interval, s	He sad Aumaer			52.	ACI	D. SHOT.	FRA	CTURE CEMEN	7 300	eeze etc.
ERFS: 7830	'-7847';	7848 '- 7870)'		DEPTH INT				AMOUNT AND ED		
ISING 4" CS	G GUN (40	HOLES)			7830'-	·7870) '				S GEL W/125
										SAN	0 % 15,000#
					-			KES	IN SAND		
				רפת) C'CTION			·			
FIRST PRODUCTS	OP PROD	CCTION METHOD	(Floreing, ga			and ty	pe of pum	·p)	WELL	STATU	s (Producing or
-15-94	FI	OWING							PRO	ÖÜC:	ING
00 7287	HOURS TRATED	CHOES SE	PROD'N		014		648—VC	7.	#ATER-68		GAS-OIL EATIO
-19-94	24	17/64			330		280		201		848
. TURING PRIME.	CASING PRESECT	RE CALCULATE	ATT I		GAS-				k		RAFITT-AFT (CORR.)
60 <u> </u>	1100		33	0	28	0		21		₹£	
DISPOSITION OF GA	•	fuel, sented, etc	L)						TEST WITH	SEED A	· 2:
ALES AND L		· · · · · · · · · · · · · · · · · · ·							1	<u>:</u>	
EACH ABOVI											= ;;
Lacreby certify		o and attacher	information	is compi	ete and corre	CC 4# /	letermine	d from	a til available :	ecords	
1//	1 1/0	7			•						1.11
SIGNED ALL	Moule	Mars	TIT	_{toe} SEN	VIOR PRO	UUCT	TON C	LERI	C DATE	- 6-	·聖-94 (元

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

Fitte 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.

FORMA TION	top	BOTTOM	0	DESCRIPTION, CONTENTS, RIC	FORMATION TOP BOTTOM DESCRIPTION, CONTENTS RTC			
						NAME	NEAS, DEPTH	TRUE VERT DEPT
			NO DST'S		•	T/RUSTLER	370,	370'
			2 2 S	7680'-7740' 7740'-7700' 7800'-7860'	(60') (60')	1/SALT B/SALT T/1 ANAR	835' 3790' 4020'	835' 3790'
		· · · · · · · · · · · · · · · · · · ·	CORE NO. 4	7860'-7914'	(54')	T/DELAWARE MIN. GROUP T/BONE SPRING	4080° 7937°	4080'
							•	1: -
					·			• •
						g	•	
		•						
	•				 :	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
:						· · · · · · · · · · · · · · · · · · ·		

CONFIDENTAL

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

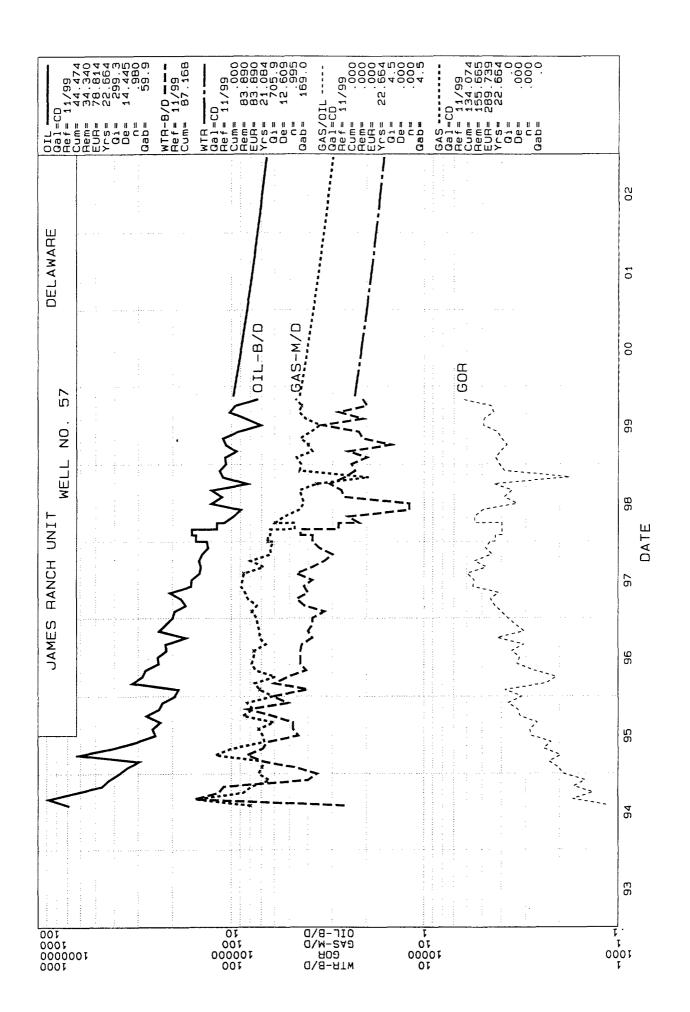
WELL	JAMES RANCH UNIT #5	7FC	DRMATION	DELAWARE
OCATION E	UNIT, 2110 F	EET FROM NORTH LI	NE & 700	FEET FROM <u>WEST</u> LINE
SECTION 17 TOW	NSHIP 23S , RANGE	31E , COUNTY	EDDY	, NEW MEXICO
SPUD DATE	COMPLETION DATE	7/7/94 IN	ITIAL PRODUCTION	7/7/94
PERFORATIONS 7803	3-43'			· · · · · · · · · · · · · · · · · · ·
STIMULATION:				
ACID				
		·		APPENDED TO THE PERSON OF THE
FRACTURE	7803-43', 64,200 GALS	GEL + 131,300# 16/30 OTT.	AWA SAND + 15,160# 1	6/30 RCS.
OTENTIAL 7/8/94 239 BOP	D, 305 MCFPD, 268 BWPD			
POTENTIAL <u>7/8/94 239 BOP</u>		ed Well.)		
	D, 305 MCFPD, 268 BWPD Copy of Wellbore Sketch of Complete	ed Well.)		
	Copy of Wellbore Sketch of Complete	ed Well.) DLUMETRIC CALCULATI	ON	
	Copy of Wellbore Sketch of Complete	·	ON	
	Copy of Wellbore Sketch of Complete VO	DLUMETRIC CALCULATI	SANDS NOT	PERFORATED BUT
Attach Copy of C-105. Attach C	Copy of Wellbore Sketch of Complete VO S.	·	SANDS NOT	PERFORATED BUT Y PRODUCTIVE
Attach Copy of C-105. Attach C	Copy of Wellbore Sketch of Complete VO S. 40	DLUMETRIC CALCULATI	SANDS NOT	
Attach Copy of C-105. Attach Construction of C-105. Attach Construction unit size, acressors (por), %	Copy of Wellbore Sketch of Complete VO S. 40 12.0%	DLUMETRIC CALCULATI	SANDS NOT	
Attach Copy of C-105. Attach Construction unit size, acress or consity (por), % Vater saturation (Sw), %	Copy of Wellbore Sketch of Complete VO S. 40	DLUMETRIC CALCULATI	SANDS NOT	
Attach Copy of C-105. Attach Construction unit size, acress forosity (por), % Vater saturation (Sw), %	Copy of Wellbore Sketch of Complete VO S. 40 12.0%	DLUMETRIC CALCULATI	SANDS NOT	
Artach Copy of C-105. Attach Copy of C-105.	VO S	DLUMETRIC CALCULATI	SANDS NOT	
Area (A) proration unit size, acres Porosity (por), % Water saturation (Sw), % Net Thickness (h), ft. Temperature (T), Fahrenheit	VO S. 40 12.0% 60%	DLUMETRIC CALCULATI	SANDS NOT	
	VO S 40 12.0% 60% 67 120	DLUMETRIC CALCULATI	SANDS NOT	
Artach Copy of C-105. Attach Copy of C-105.	S	DLUMETRIC CALCULATI	SANDS NOT	

PERFORMANCE DATA

				
(If sufficient history exists, a	ittach plot of oil production r	ate v time.)		
CUMULATIVE PRODUCT	TION TO11/1	1/99	44474 BBLS	
INITIAL RATE (qi)			299	
ECONOMIC LIMIT (ql)			60	
DECLINE RATE, dy	_	Hyberb	olic d = 14.45% n = .98	
REMAINING OIL (Q) =			31026	
ULTIMATE RECOVERABL	.E OIL		75500	
(Attach plat showing prorat	ion unit and participating area	1.)		
		•		
		EC	ONOMIC	
WELL COST \$	570,000 (to the depti	n of formation completed)		
RECOMPLETION COST \$	770,000 (to the depu	Torriormation completed?		
TOTAL COST \$	570,000			
TOTAL COST \$	370,000			10% NET BFIT
WEAD.	CDOSS OIL	DEMENUE	ODED A TINIC COST	DISCOUNTED
YEAR	GROSS OIL	REVENUE	OPERATING COST	CASH FLOW
ZERO	0	0	0	-570,000
1	10,700	174,400	29,900	141,000
2	11,000	213,600	46,100	151,600
3	8,500	215,900	43,200	141,400
4	5,800	160,800	38,400	90,800
5	4,600	87,600	31,000	38,000
6	3,600	84,600	29,900	33,200
7	3,200	99,500	27,300	39,700
8	2,900	77,100	25,600	25,600
9	2,500	65,100	24,600	18,200
10	2,300	56,600	24,000	13,300
REMAINDER	20,500	506,700	337,000	44,200

WELL IS COMMERCIAL

(



)

DATE : 02/08/00
TIME : 07:54:18
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 6

	! ! ! !		I N	PUT DAT	T A			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CAL	CULAT	ED DAT	A
ITEM	SCHEDULING RATES	RATE	S	SCHEDULE UNTIL	NTIL	PROCEDURE		ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
405 START	11/99											
410 OIL	299.34	< ×	B/M	04/2013 AD	AD .	H/0.980	14.44	70.387	3/13	14.44	299.	
420 GAS/OIL	4.53	ιη Γη	M/H	01/2097 AD	J	LIN	TIME		17/96			
425 WTR	705 93	≺	8 /8	01/2012 20	,	H/0 005	ל ל	7000			3	
	266.94	×	B/M	22.92 IMU	₫'	EXP	5.00	83.890	11/20	5.00	267.	
435 START	7/94											
516 PRI/OIL	16.8800	×	\$/B	1/95 M	XX/WN	PC	.00		6/22		16.880	16
517 "	18.39	×	\$/B		0	PC	.00		6/22		18.390	18.390
* 0 TS	20.26	< >	\$/B		, ,	Dd.	. 00		6/22		22.260	22.
520 *	14.43	××	\$/B	1/99 AD	0 0	אָל ל מ	. 00		12/98		20.740 14.430	20.740
521 "	19.25	×	\$/B	0	0	PC	. 00		12/99		19.250	19.
522 *	24.94 20.67	× ×	\$/B	1/2001 AD	3 0	S S	. 00		12/00		24.940	24.
524 "	19.20	×	\$/B		0 (Ođ	. 00		12/02		19.200	19.200
	18.18	×	\$/B	2004	0	PC	.00		12/03		18.180	18.180
0 0 0	10.13	>	4/5	10	11.40	Ċ	. 00		6/22		18.130	18.130
531 PRI/GAS	1.8900	×	×/×	1/95 M	XX/WW	PC	.00		6/22		1.890	1.
533 *	2.61	× >	ψ/3 Σ	1/97 AD	0 0				12/96		2.610	1.940 2.610
	2.59	×	×/×			S	. 00		12/97		2.590	2
236 *	2.11	× >	υ ν 3	1/2000 AD	0 0	מי מי	. 00		12/98		2.110	2.110
537 "	2.60	×	S/M		Ü	DQ.	.00		12/00		2.600	21
539 1	2.58	××	X/X	TO LI	LIFE	P C	. 00		$\frac{12/01}{6/22}$		2.580 2.570	2.580 2.570
544 PRI/WTR 545 "	.5000	.5000 x	0 \$/U \$/U	1/2000 AD TO LII	AD LIFE	PC DG	. 00		6/94 12/95		. 500	.500 1.940
550 OPC/T	1600.00	×	\$/M	TO . L1	HIFE	SCH	OPC		6/22		1600.000	1600.000
555 STX/OIL 560 STX/GAS	7.08 7.93	××	ee ee	100	BAIT	D. D.d.	.00		6/22 6/22		.071	
565 ATX	.17	×	*	70 1.1	LIFE	PC	. 00		6/22		.002	
570 PRI/OIL 575 PRI/GAS	9100 1300	9100 1300	0 \$/B	TO OF LE	LIFE	Ođ Ođ	.00		6/22 6/22		910 130	18.130 2.570
700 LSE/WI	100.0000	ם	**	TO	LIFE	FLAT	. 00		6/22		1.000	1.000
701 OWN/WI	100.0000	ט	*	TO L.	LIFE	FLAT	. 00		6/22		1.000	1.000
720 LSE/RIC	12.5000	U	*	TO L	LIFE	FLAT	. 00		6/22		. 125	
721 OWN/RI	. 0000	D	ф	TO LI	TIFE	FLAT	.00		6/22			

BASE DATE : P.W. DATE : REPORT DATE :	PROJECT ASSUMPTIONS	201 LOSS N 205 CUMO, MB 210 LOSS N	ERVE PAR	800 DRILL 801 SALVAGE	INVESTMENT	905 LOAD 1 910 LOAD 1 915 LOAD 1	OVERLAYS	761 OWN/ORR	740 LSE/RIG 760 LSE/ORR	
	SNOILAM	NO 44.47	METERS	240.00	TANGIBLES	P.OIL OIL # P.GAS GAS # P.WATER WTR	SCHEDULING RATES	.0000	12.5000	- `)
TIME FRAMES : PW %-AGE : PROD QUAL :'		CUMG, MMF	Mali	330.00 M\$G	TANGIBLES & INTANGIBLES	#	G RATES	D *	U U	
1*6 38*12 1*600 10.0 DIS CD OWN	- سانت	134.07		07/94 TO	TIME		SCHEDULE UNTIL	TO	To	
DISC. OWNER				AD LIFE			UNTIL	LIFE	LIFE	
600 DISC. FREQUENCY : OWNER QUAL :		CUML, MB	ITEM	1 6 1 1 1 2 4	PROCEDURE	1	PROCEDURE	FLAT	FLAT FLAT	
365. CD		ı	; ; ; ; ;	1 1 1		!		, 00	. 00	
оте			! !	570.000	O	44.694 135.472 87.168	ULTIMATE			
OTHER QUAL :				7/94 6/22	MONTH	2/00 2/00 2/00 2/00	LAST	6/22	6/22 6/22	
9				1	_	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EFF. DECL			
,				570.0	TOT. T&I&R		INIT. RATE		. 125	
				570.0	ES	, , , , ,	FINAL RATE		. 125	

DATE : 02/08/00
TIME : 07:54:18
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 6

RESERVES AND ECONOMICS EFFECTIVE DATE: 7/94

TWITE STREET	1) WORK 2) REVE	111111111	OWNERSHI		PERIOD ENDING	
NAC NO	1) WORKING INTEREST, \$ 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 2) REVENUE INTEREST, \$ 87.500 87.500 87.500 87.500 87.500 87.500 87.500 87.500	Ì	ъ		NDING	
	100.000 87.500				12/94	
	100.000 87.500			1 1 1 1 1	12/94 12/95 12/96 12/97 12/98 12/99 12/00 12/01 12/02 12/	
	100.000 87.500			1 1 1	12/96	
	100.000 : 87.500			1 1 1 1	12/97	
	100.000 87.500			1 1 1 1	12/98	
	100.000 87.500			1 1 1 1 1	12/99	
	100.000 87.500			***** **** * * * * * * * * * * * * * * *	12/00	
	100.000 87.500				12/01	
	100.000 87.500			1 1 1	12/02	
	100.000 : 87.500			1 1 1 1	12/03	
	100.000 87.500			1 1 1 1 1 1	S TOT	
	100.000 100.000 100.000 87.500 87.500 87.500			1 1 1 1	AFTER	
	100.000 87.500			1 1 1	TOTAL	24.9 YR

PRESENT WORTH @ 10.00 % 31) NET INCOME 32) INVESTMENTS & RISK 33) BFIT NET 34) CUM BFIT NET	ECONOMICS, M\$	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF WATER PHASE 16) GROSS WATER, MB 17) NET WATER PRICE, \$/B	INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL OIL PHASE	2) REVENUE INTEREST, % 8:
141.0 570.0 -429.0	174.4 12.6 .3 9.6 7.4 .0 .0 .144.6 570.0	16.3 14.3 25.2 1.760 14.8 14.8	.0 570.0 .0 570.0	87.500
151.6 .0 151.6	213.6 15.5 3 19.2 11.1 0 .0 .0 167.4	28.4 24.9 45.1 1.810 22.1 22.1	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	87.500
141.4 .0 141.4 -136.0	215.9 15.8 19.2 7.9 0.0 .0 172.7 172.7	26.5 23.1 57.4 2.480 15.8 15.8	0.00 .00 .00 8.5 7.4 158.5	87.500
90.8 .0 90.8	160.8 11.9 .3 19.2 7.0 .0 .0 .122.5	27.9 24.4 60.0 2.460 2.14.0 14.0		87.500
38.0 .0 38.0	87.6 6.5 19.2 5.2 56.6 56.6	19.3 16.9 33.4 1.980 10.3	13.52 13.52	87.500
33.2 33.2 25.9	84.6 6.2 19.2 19.2 54.6	14.4 12.6 26.9 2.1140	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	87.500
39.7 .0 .9.7 65.6	99.5 7.3 19.2 19.2 .0 .0 .0 72.2	14.9 13.0 32.2 2.470 7.7 7.7	3.2 67.3	87.500
25.6 .0 25.6 91.2	77.1 5.7 .1 19.2 .6 .0 .0 .0 51.5	12.9 11.3 27.7 2.450 6.9 6.9		87.500
18.2 .0 18.2	65.1 4.8 1.9.2 .0 .0 40.5	11.5 10.1 24.5 2.440 6.2 6.2	18.29	87.500
13.3 .0 13.3 122.7	56.6 4.2 .1 19.2 .0 .0 .0 32.7	10.3 9.1 22.1 2.440 5.7 5.7	2.3 2.3 34.5	87.500
692.7 570.0 122.7	1235.2 90.5 1.9 182.4 45.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	182.4 159.6 354.4 2.221 112.4 112.4	570.0 570.0 570.0 570.0 580.0 48.2 880.8	87.500
44.2 -2.0 46.2 168.8	506.7 37.6 2.6.0 2.6.0 0.0 169.7 149.7	92.8 81.2 198.2 2.440 33.0	-24.0 -24.0 -24.0 -20.5 17.23	87.500
736.8 568.0 168.8 168.8	1741.9 128.0 2.7 478.4 47.7 .0 .0 .0 1085.0 536.0	275.2 240.8 552.6 2.295 2.295 145.4 145.4	.0 546.0 .0 546.0 546.0 18.0	87.500

DATE : 02/08/00
TIME : 07:54:18
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 6

AFTER TAX ECONOMICS

EFFECTIVE DATE: 7/94

				EFFECT	EFFECTIVE DATE: 7/94	: 7/94							
PERIOD ENDING	12/94	12/95	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	S TOT	AFTER	24.9 YR TOTAL
TAX TREATMENT OF INVESTMENTS, MŞ	ENTS, MŞ	1 1 1 1	1 1 1 1 1	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	!		1 1 1 1	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1
1) EXP, RISK & CAP INT	330.0	. 0		. 0	. 0	. 0		. 0			330.0	. 0	30.0
 DEPLETABLE DEPRECTABLE 	340.0						, .	· •	· •	. 0			
3) DEFECTABLE	240.0			c		. 0	. 0	. 0	. 0	.0	240.0	-24.0	216.0
TAX CALCULATIONS, M\$													
GROSS	174.4	213.6	215.9	160.8	87.6	84.6	99.5	77.1	65.1	56.6	1235.2		1741.9
_	12.6	15.5	15.8	11.9	6 . ₂ 5	6.2	7.3	5.7	4.8	4.2	90.5	37.6	128.0
,	.0	. 0	0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0		. 0
1	17.3	30.6	27.4	26.5	24.5	23.8	20.0	19.9	19.8	19.7	229.4	299.4	528.9
+	. 0		. 0	. 0	. 0	. 0	. 0	.0	.0	.0	. 0	. 0	. 0
10) - EXPENSED INV	330 0								. 0			. 0	0
	17.1	46.5	50.4	36.0	25.7	21.4	21.4	21.4			240.0		240.0
	-202.6	120.9	122.3	86.5	30.9	33.2	50.8	30.1	40.5	32.7	345.3	169.7	515.0
,			. 0	. 0	. 0	. 0	.0	. 0	. 0	. 0	. 0	.0	. 0
15) = TAXABLE	-202.6	120.9	ردار د دوار	л. л.	۵. م	ม ง c	л Э.		лс			. 0	
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
1	. 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.	-70.9	42.3	42.8	30.3	10.8	11.6	17.8	10.5	14.2	11.4	120.9	59.4	180.2
20) REVENUE-SEV-WPT	161.8	198.1	200.1	149.0	81.1	78.4	92.2	71.4	60.3	52.4	1144.8	469.1	1613.9
- OPR. COSTS &	17.3	30.6	27.4	26.5	24.5	23.8	20.0	19.9	19.8	19.7	229.4	299.4	528.9
+	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0
	-70.9	42.3	42.8	30.3	10.8	11.6	17.8	10.5	14.2	11.4	120.9	59.4	180.2
25) - TOAN DEDAYMENT	0.01	1.5.1	6.671	¥2.2	. t.	44.0	54.4	41.0	26.3	21.2	794.5	110.3	904.7
			· -								. 0	. 0	.0
27) = NET INCOME	215.5	125.1	129.9	ş.	ь ,	 	л 4 .) h .	ي د د	704.		
ı	570.0									0 4.1.4	570 0	34.6	546.7
H	-354.5	125.1	129.9	92.2	45.8	43.0	54.4	41.0	26.3	21.2	224.5	134.3	358.7
PRESENT WORTH @ 10.00 %													
30) NET INCOME	210.2	113.3	106.4	68.3	30.7	26.1	29.9	20.4	11.8	8.6	625.7	28.7	654.4
A.F.I.T. NET	-359.8	113.3	106.4	68.3	30.7	26.1	29.9	20.4	11.8	æ . 6 c	55.7	30.7	86.4
33) CUM. A.F.I.T. NET	-359.8	-246.6	-140.2	-71.8	-41.1	-15.0	14.9	35.2	47.1	55.7	55.7	86.4	86.4

JAMES RANCH UNIT #57 PREPARED BY: KENT ADAMS

DATE : 02/08/00
TIME : 07:54:18
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 6

ECONOMIC INDICATORS

AS OF DATE: 7/94

	1.15	VEST. 1.30	DISCOUNTED NET/INVEST.
	1.66	INVEST. 1.99	UNDISCOUNTED NET/INVEST.
	6.00	, YRS. 4.72	DISCOUNTED PAYOUT, YRS.
	3.66	JT, YRS. 3.20	UNDISCOUNTED PAYOUT, YRS.
	16.6	PCT. 19.7	RATE OF RETURN, PO
-351.007	-327.804	-359.381	100.
-320.058	-295.582	-321.860	80.
-299.891	-274.945	-297.255	70.
	-249.899	-266.920	60.
-243.444		-228.513	50.
	-178.370	-178.128	40.
-142.918	-123.745	-108.635	30.
-52.825	-44.207	-5.286	20.
110.242	86.402	168.842	10.
161.678	124.008	219.681	80.
224.747	167.821	279.139	ه .
262.080	192.596	312.834	ທ.
408.661	282.071	434.682	2.
551.921	358.749	538.998	0.
		BONGS INBUE	RATE-OF RELOKY VS. BONOS IABLE
		PROFILE AND	PRESENT WORTH PRO
M\$	M\$	M\$	
BONUS	WORTH	WORTH	
A.F.I.T.	A.F.I.T.	B.F.I.T.	

1/24/00

300	1021001	JAIVII
ftKB	Cement (0.0-420.0) Bore Hole: 420.0 (Size:17.500)	
500 -	Surf. Csg. (0.0-420.3. — OD:13.375; Wt:48.00)	
1000 - 1500 -	Cement (0.0-3930.0) — • • • • • • • • • • • • • • • • • •	
2000 -	Inter. Csg. (0.0-3930.0, OD:8.625, Wt:32.00)	
2500	OD:8.625, Wt:32.00)	
3000 -	Casing (0.0-8010.0, OD:5.500)	
. 3500 -	Cement (3478.0-8010.0)	
4000 -	Bore Hole: 8010.0 (Size:7.875)	
4500 -		
5000 -	é	
5500 - 6000 -	\$ \$2	
6550 -	Bore Hole: 8010.0 (Size:7.875)	
6550 -	5.5 200 200 200	
6600 -		
6650 -	2.10円 大人・世界の大学を開発した。 19.10円 大学・世界の大学を開発した。 19.10円 大学・ビー・ファイン・ファイン・ファイン・ファイン・ファイン・ファイン・ファイン・ファイン	
6700 -		
6750 -	* No.	
6800 -	4	1 1 1
6850 -	9	
6900 -		
6950 -	S. C. C. C. C. C. C. C. C. C. C. C. C. C.	
7000 -		
7050 -	7P is class	
7100 -		
7150 -		
7200 -		
7250 -		
7300 -		
7350 -		
7400 -		
7450 -		
7500 -		
7550 -	dia dia dia dia dia dia dia dia dia dia	
7600 -	e tiene en en en en en en en en en en en en	
	なな	5
7650 -		
7700 -		
7750 -	Perf (7803.0-7843.0)	
7800 -	[Perf (7803.0-7843.0)	E
7850 -		
7900 -		
7950	Cmt. Plug (7965.0-8010.0, OD:4.892)	
8000 -	TD: 8010.0	
8050 -		
8100 -		
!]		

AOLI OIVII								
JAMES RANC	H UN	IT #5	57					
API No.		0152	··	Stati	us Z		ACT O	ΙĹ
TD		10.0		Engi		i	KAA	
PBTD		65.0				<u> </u>		
Operator		BEPC		Pern	nit			
Well No.		57		Spuc			6/12/9	4
ID Code			√E.057	RR			6/24/9	
Field	LOS		ANOS		pletion		7/7/94	4
Author		RAS		Last		1		
Date Updated		1/27/		Abar	ndoned			
Comments	Drilled	by S	anta Fe					
Location				-				
Township		SC	23		Latitude		0	
				Top	Longitud	е :	0	
Range		EC	31	lop	NS Dista	nce	2110.	
Contina	 		7	lop	EW Dista	ince	700.0	
Section			7 =	Botto	m Latitu	ue	0	
Unit Ltr.	-				om Longi			
State	_ <u> </u>		Mexico		NS Dista EW Dista		0.0	
County	Щ.		ldy	DIM	CVV DISTA	ance .	0.0	16
Elevations		200	704	10-	Clos.			4
KB			7.0 ft	Cas			0.0	
Grd KB Grd			4.0 ft	Tub	пеао		0.0	
KB-Grd			0 ft	<u>.</u>				
Casing String					ID.	\A/4	C	
item	To		Btm J	nts	ID	Wt	Grd	Thd
(in) 13 3/8 in Surf.			ftKB)	10	12.720	48.00	H 40	
		0.0	420.0	10	12.720	40.00	⊓ -4 U	STC
Csg. Casing String	, lntc	rma	diata Ca	ein-	i			
					ID	Wt	Card	Th-
Item	To			nts	יט	Wt	Grd	Thd
(in) 8 5/8 in Inter.	(ntr	0 U 3	ftKB) 930.0	90	7.921	32.00	K-55	STC
Csg.		J.U 3	330.U ₁	90	1.541	JZ.00	17-00	310
Casing String	L Dro	duct	ion Can	ina			I	
Item					ID	Wt	Grd	Thd
	To		Btm ∫ Ji	112	יט	AAf	Gru	ma
(in) 5 1/2 in Casing			ftKB) 010.0	189	4.892	0.00		LTC
		٥.٥ ٥	0.10.0	103	7.032	0.001		
Casing Ceme								
Cacina Canin	200		`A.	mour	•	C^~	monte	
Casing Strir	ng			moun (sx)	t	Com	ments	
	ng		(B)	(sx)		Com	ments	
Surface Casing				(sx) 32	25	Com	ments	
Surface Casing Intermediate Cas	sing	(ftl	(B) 0.0 0.0	(sx)	25	Com	ments	
Surface Casing Intermediate Cas Production Casi	sing ng	(ftl	0.0 0.0 0.0 478.0	(sx) 32 80	25	Com	ments	
Surface Casing Intermediate Cas Production Casin Tubing String	sing ng	(ftł 34 nary	(B) 0.0 0.0 478.0 Tubing	(sx) 32 80 67	25 00 '5	Com	ments	Thd
Surface Casing Intermediate Cas Production Casi	sing ng	(ftl	0.0 0.0 0.0 478.0	(sx) 32 80	25 00 '5			Thd
Surface Casing Intermediate Casing Production Casin Tubing String Item	sing ng - Prin To (ftk	34 nary OP (B)	(B) 0.0 0.0 478.0 Tubing Btm	(sx) 32 80 67	25 00 75	Wt	Grd	Thd
Surface Casing Intermediate Cas Production Casin Tubing String Item (in)	sing ng - Prin	34 nary OP (B)	(B) 0.0 0.0 478.0 Tubing Btm (ftKB)	32 80 67 Jnts	1D (in) 2.441	Wt 6.50	Grd J-55	Thd
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg.	sing ng I - Prin To (ftk	34 nary OP (B) 0.0 70.0 73.0	0.0 0.0 478.0 Tubing 8tm (ftKB) 7470.0 7473.0 7605.0	32 80 67 Jnts	ID (in) 2.441 0.000 2.441	Wt 6.50	Grd J-55	Thd
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN	sing ng I - Prin To (fth	34 nary (B) 0.0 70.0 73.0	0.0 0.0 478.0 Tubing 8tm (ftKB) 7470.0 7473.0 7605.0	32 80 67 Jnts	25 00 75 (in) 2.441 0.000 2.441	Wt 6.50	Grd J-55	Thd
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS	sing ng - Prin Tc (ftk 743 760 760	34 nary pp (B) 0.0 70.0 73.0 05.0 06.0	0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7473.0 7605.0 7606.0 7610.0	32 80 67 Jnts	25 00 75 (in) 2.441 0.000 2.441 0.000	Wt 6.500 0.000 6.500 0.000 0.000	Grd J-55	Thd
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud	sing ng - Prin Tc (ftk 743 760 760	34 nary (B) 0.0 70.0 73.0	0.0 0.0 478.0 Tubing 8tm (ftKB) 7470.0 7473.0 7605.0	32 80 67 Jnts	25 00 75 (in) 2.441 0.000 2.441	Wt 6.500 0.000 6.500 0.000 0.000	Grd J-55	Thd
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor	sing	3- nary (B) 0.0 70.0 73.0 05.0 06.0	0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0	(sx) 32 80 67 Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.500 0.000 6.500 0.000 0.000	Grd J-55	Thd
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor Other (plugs,	sing	3- nary (B) 0.0 70.0 73.0 05.0 06.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug	(sx) 32 80 67 Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.500 0.000 6.500 0.000 0.000	Grd J-55 J-55	Thd
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in Mud Anchor	sing	3- nary (B) 0.0 70.0 73.0 05.0 06.0	0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0	(sx) 32 80 67 Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.500 0.000 6.500 0.000 0.000	Grd J-55 J-55	
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date	sing ng 7 Prin 747 747 760 7	(fth nary pp (B) 0.0 70.0 73.0 05.0 06.0 10.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug	(sx) 32 80 67 Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.500 0.000 0.000 0.000	Grd J-55 J-55	
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94	sing	(fth nary pp (B) 0.0 70.0 73.0 05.0 06.0 10.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug	(sx) 32 80 67 Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.500 0.000 0.000 0.000	Grd J-55 J-55	
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date	sing ng 7 Prin 747 747 760 7	(fth nary pp (B) 0.0 70.0 73.0 05.0 06.0 10.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug	(sx) 32 80 67 Jnts	ID	Wt 6.50 0.00 0.00 0.00 0.00	Grd J-55 J-55 Int (ftKB) 55.0 - 86	010.0
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94	sing ng 7 Prin 747 747 760 7	(fth nary pp (B) 0.0 70.0 73.0 05.0 06.0 10.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug	(sx) 32 80 67 Jnts	ID	Wt 6.50 0.00 0.00 0.00 0.00 0.00 796	Grd J-55 J-55	010.0
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date	sing ng 7 Prin 747 747 760 7	(fth 3. nary pp (B) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	(B) 0.0 0.0 478.0 Tubing Btm (fftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item	(sx) 32 80 67 Jnts	ID	Wt 6.50 0.00 0.00 0.00 0.00 796	Grd J-55 J-55 Int (ftKB) S5.0 - 86	010.0
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94	sing	(fth 3.4 nary pp (B) 0.0 0.7 0.0 0.0 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item	(sx) 32 80 67 Jnts	ID	Wt 6.50 0.00 0.00 0.00 0.00 0.00 796	Grd J-55 J-55 Int (ftKB) S5.0 - 86	010.0
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations	sing ng	(fth 3.4 nary pp (B) 0.0 0.7 0.0 0.0 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item	(sx) 32 80 67 Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 0.00 0.00 0.00 796	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations 6 Date Type	sing ng	(fth 3.4 mary) 3.7 mary) 3.7 mary) 3.7 mary) 3.0 mary) 3	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item Int 03.0 - 784 nts Interval	(sx) 32 80 67 Jnts Jnts	ID	Wt 6.50 0.00 0.00 0.00 0.00 796	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations	sing ng	(fth 3.4 mary) 3.7 mary) 3.7 mary) 3.7 mary) 3.0 mary) 3	(B) 0.0 0.0 478.0 Tubing Btm (fftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 E.) - Plug Item	(sx) 32 80 67 Jnts Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 6.50 0.00 0.00 796 Shots (/ft) 1.	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations 6 Date Type	sing ng	(fth 3.4 mary) 3.7 mary) 3.7 mary) 3.7 mary) 3.0 mary) 3	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item Int 03.0 - 784 nts Interval	(sx) 32 80 67 Jnts Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 6.50 0.00 0.00 796 Shots (/ft) 1.	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations 6 Date Type	sing ng	(fth 3.4 mary) 3.7 mary) 3.7 mary) 3.7 mary) 3.0 mary) 3	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item Int 03.0 - 784 nts Interval	(sx) 32 80 67 Jnts Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 6.50 0.00 0.00 796 Shots (/ft) 1.	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations 6 Date Type	sing ng	(fth 3.4 mary) 3.7 mary) 3.7 mary) 3.7 mary) 3.0 mary) 3	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item Int 03.0 - 784 nts Interval	(sx) 32 80 67 Jnts Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 6.50 0.00 0.00 796 Shots (/ft) 1.	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations 6 Date Type	sing ng	(fth 3.4 mary) 3.7 mary) 3.7 mary) 3.7 mary) 3.0 mary) 3	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item Int 03.0 - 784 nts Interval	(sx) 32 80 67 Jnts Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 6.50 0.00 0.00 796 Shots (/ft) 1.	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations 6 Date Type	sing ng	(fth 3.4 mary) (fth (8) 0.0 (70.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item Int 03.0 - 784 nts Interval	(sx) 32 80 67 Jnts Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 6.50 0.00 0.00 796 Shots (/ft) 1.	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations 6 Date Type	sing ng	(fth 3.4 mary) (fth (8) 0.0 (70.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item Int 03.0 - 784 nts Interval	(sx) 32 80 67 Jnts Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 6.50 0.00 0.00 796 Shots (/ft) 1.	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations 6 Date Type	sing ng	(fth 3.4 mary) (fth (8) 0.0 (70.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item Int 03.0 - 784 nts Interval	(sx) 32 80 67 Jnts Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 6.50 0.00 0.00 796 Shots (/ft) 1.	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations 6 Date Type	sing ng	(fth 3.4 mary) (fth (8) 0.0 (70.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item Int 03.0 - 784 nts Interval	(sx) 32 80 67 Jnts Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 6.50 0.00 0.00 796 Shots (/ft) 1.	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations 6 Date Type	sing ng	(fth 3.4 mary) (fth (8) 0.0 (70.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item Int 03.0 - 784 nts Interval	(sx) 32 80 67 Jnts Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 6.50 0.00 0.00 796 Shots (/ft) 1.	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations 6 Date Type	sing ng	(fth 3.4 mary) (fth (8) 0.0 (70.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item Int 03.0 - 784 nts Interval	(sx) 32 80 67 Jnts Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 6.50 0.00 0.00 796 Shots (/ft) 1.	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations 6 Date Type	sing ng	(fth 3.4 mary) (fth (8) 0.0 (70.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item Int 03.0 - 784 nts Interval	(sx) 32 80 67 Jnts Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 6.50 0.00 0.00 796 Shots (/ft) 1.	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations 6 Date Type	sing ng	(fth 3.4 mary) (fth (8) 0.0 (70.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item Int 03.0 - 784 nts Interval	(sx) 32 80 67 Jnts Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 6.50 0.00 0.00 796 Shots (/ft) 1.	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS
Surface Casing Intermediate Cas Production Casin Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, Date 6/23/94 Perforations Date 6/28/94 Stimulations 6 Date Type	sing ng	(fth 3.4 mary) (fth (8) 0.0 (70.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(B) 0.0 0.0 478.0 Tubing Btm (ftKB) 7470.0 7605.0 7606.0 7610.0 7642.0 c.) - Plug Item Int 03.0 - 784 nts Interval	(sx) 32 80 67 Jnts Jnts	ID (in) 2.441 0.000 0.000 0.000 0.000	Wt 6.50 0.00 6.50 0.00 0.00 796 Shots (/ft) 1.	Grd J-55 J-55 Int (ftKB) S5.0 - 80 Statu	010.0 IS

WELL HISTORY

WELL NAME: James Ranch Unit No. 57

FIELD NAME: Los Medanos (Delaware)

2110' FNL & 700' FWL, Sec 17, T23S, R31E, Ut E, LOCATION:

Eddy County, New Mexico

ELEV: 3314' GL, 3327' KB

SPUD DATE: 6/12/94

7/7/94 COMP DATE:

ORIG TD: 8010'

ORIG PBTD: 7965'

CASING: 13-3/8" 48# H-40 ST&C CSA 420' w/325 sx, cmt circ, 17-1/2" hole 0-425'.

8-5/8" 32# K-55 ST&C CSA 3930' w/800 sx, cmt circ, 11" hole 425-3930'. 5-1/2" 15.5# & 17# CSA 8010' w/675 sx, TOC 3478' (CBL), 7-7/8" hole 3930-8010'.

TUBING: 2-7/8" 6.5# J-55

DST: None

6/23/94 - CNL/LDT/GR/DIL/SFL CORES & LOGS:

INITIAL COMPLETION

6/28/94-7/21/94

Ran CBL. TOC 3478'.

Perf 7803-43', 1 SPF. Frac'd 7803-43' w/64,200 gals gel, 131,310# 6/28/94

16/30 Ottawa ad & 15,160# 16/30 resin coated sd, flush w/185 bbls gel. Flwd well. Tag sd @ 7850', CO to 7965'. Swab & flow well. IP: 7/8/94 24 hr F 239 BO, 268 BW, 305 MCF on 30/64" chk. FTP

120#, CP 340#.

WORKOVERS

7/9/94 Turn operations over to Bass Enterprises. Flwd well. Tag PBTD @

7898'. Install pmpg equip. Put well on prod.

IP: 8/30/94 24 hrs P 76 BO, 118 BW, & 67 MCF.

1/6/95 ROD FAILURE.

3/14/95 ROD PUMP FAILURE.

6/2/95 ROD PUMP FAILRUE.

1/5/96 ROD PUMP FAILURE.

8/15/96 ROD PUMP FAILURE. Form 3160-4 (October 1990)

WEW I

15. DATE SPUDDED

6-12-94

CASING SIZE/GRADE

5/8

1/2

13 3/8"

8

none

RIZZ

OR APPROVED OMB NO. 1004-0137 Expires: December 31, 1991 DEPARTMENT OF THE INTERIOR structions on S. LEASE DESIGNATION AND SERIAL RO. rethe side) BUREAU OF LAND MANAGEMENT - 071988-B 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG * -----IN TYPE OF WELL. OUN 111 T. UNIT AGREEMENT MAME L TYPE OF COMPLETION: James Ranch Unit 5: " WHITE T 8. FARM OR LEASE NAME, WELL NO. 2 NAME OF OPERATOR James Ranch Unit #57 Bass Enterprises Production Co. 9. API WELL NO. 1. ADDRESS AND TELEPHONE NO. 30-015-27887 P.O. Box 2760 Midland, Tx. 79702-2760 (915) 683-2277 10. FIELD AND POOL OR WILDCAT 4. LOCATION OF WILL (Report location cicarly and in accordance with any State requirements) Los Medanos (Delaware) At mortace 2110' FNL & 700' FWL Unit E 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA At top prod. interval reported below Sec. 17, T23S, R31E At total depth Same as above 14. PERSIT NO. DATE ISSUED 12. COUNTY OF 13. STATE PARISH Eddy N.M. 17. DATE COMPL. (Ready to prod.) 15. ELEVATIONS (DF. RKS, ST. GE, ETC.) 19. ELEY, CLAINGERAD 6-23-94 7-7-94 3314' GR 23. INTERVALS 21. PLUG. BACK T.D., MD & TVD 22. IF WULTIFUE COM EJOOT TRATOR CABLE TOOLS SINGLE DRILLED BY 7965' n-8010' 24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, MANE (MD AND TVD) 25. WAS DIRECTIONAL SURVEY MADE 7803'-7843' (Delaware) 40 holes no 28. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED GR-CNL-LDT, GR-DIL-SFL no CASING RECORD (Report all strings set in well) WEIGHT, LA./FT. DEPTH SET (MD) HOLE SIZE FOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED 48# 420 17 1/2" Circ-325 sx Class C none 3930 Circ-1000 sx Class C 32# 11 none 15.5# & 8010 CBL 3478 -675 sx C1 C & 778 none LINER RECORD 30. TUBING RECORD Seating nipple X XXXXXXXXXX (MD) TOP (MD) BOTTOM (MD) SACKE CEMENTS SCREEN (MD) SIZZ DEPTH SET (MD) 2 7/8 7862 7862 31. PERFORATION RECORD (Interval, sure and number) 32 ACID. SHOT. FRACTURE CEMENT SQUEEZE, ETC. 4" casing gun 1 JSPF 120 deg phased DEPTH INTERTAL (MD) AMOUNT AND KIND OF MATERIAL USED nd

PLOW. TUBLING PROME.	CARING	PRESECRE	CALCULATED	011.—681	GAS-MCT.	WAT	EX-AGL	OIL GEATITT-API (COME.)	}
7-8-94	24			TRET PERSON	239	305	268	1276	
DATE OF ISST	ROURS	TESTED	CHOKE SIZE	PROD'N. FOR	01L-48L.	GAS-HCF.	WATER-6	BL. UAS-OIL SATIO	
7-7-94		pumpi	ng 2 1/2"	x 1 1/2"	x 24' RHBC			producing	
DATE FIRST PRODUCT	TOR	PRODUCT	TON METHOD (Fle	noing, gas lift, j	pumpmy—rus and	lype of pump)		L STATUM (Producing or test-in)	
33. •			,	PRO	סזיכדוסא				_
							7,10011 107	30 1 C3 111 COA CCA	
						115	150# 16/	30 resin coated	5.8
. 555 75 75	, , , ,		•			16	730 Ottaw	a Sand	
7803'-7843	21 (4)	holes)	,	/803 - /84	<u>3' </u>	ac: 64,20	<u>U gal gel & 131</u>	ا کی

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sales & Lease use 35. LIST OF ATTACEMENTS Later of the terms of 2 each of above lods SUS 36. I hereoy certify that the foregring and attached information is complete and correct as determined from all railable records 7-14-9 Sr. Production Clerk SIGNED A DATE . TITLE

305

268

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

239

24-HOUR BATE

340

Fitle 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.

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

DISTRICT [P. O. Box 1980 Hobos, NM 88240

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

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

DISTRICT III
1000 Rio Erazos Rd
Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT
All distances must be from the outer boundaries of the section.

Operator	ENEBEY OF	TO DADTHEDS I	Lease LANCE DANCE	Weil No.
		PER. PARTNERS, L		H UNIT FEDERAL 57
Unit Letter E	Section 17	Township 23 SOUTH	Range 31 EAST, N.M	County
	ocation of Weil	23 30015	31 EAS1, N.M	.P.M. EDDY
)	. 500	
2110 round Level Ele	feet from the		e and 700	feet from the WEST line
3312'	Delaw		Sand Dunes, W. (Delarrara) /o
				· · · · · · · · · · · · · · · · · · ·
				or nachure marks on the plat below.
			ie weil, outline each and	identify the ownersnip thereof (both as
	orking interest			
S. II mi	ore than one le	ase of different owner	snib is dedicated to the w itization, forced—pooiing,	reil, have the interest of all the owners
5001	Yes To No	o If answer is "y	es", type of consolidati	ion
if th	e answer is "no	. list the owners on	tract descriptions which	have actually been consolidated. (Use
the i	reverse side of	this form if neccesso	ry.)	<u> </u>
No c	illowcole will be	assigned to the well	until all interests have t	een consolidated (by communitization,
unitiz	iation, forcea—pi oved by the div	daling, or otherwise) (r until a non-standard u	nit, eliminating such interest, has been
	ived by the div	1310/1.		
				OPERATOR CERTIFICATION
i	i	i 	1 .	i
	1	1 1	1	I hereby certify that information herein is true
)	į	į.	1	complete to the best of
	! ;	1	:	knowledge and belief.
	1	i 1	1	Sequire DO 11/1
,	,	i	i	Yuri Viculla
2110	,-	 	i 	Printed Name
(-)-}-;-;-;-;-;-;-;-;-;-;-;-;-;-;-;-;-;-;				Terry McCullough
TITLE		1	į	Postuon
	7	i	:	Sr. Production Clerk
	X	1	1 1	Company Santa Fe Energ
	<i>K</i> ,	į	!	Onersting Partners I.
-700'	· · · · · · · · · · · · · · · · · · ·	1	i	Date
, 55	1/2	1	i I	February 10, 1994
	Z	į	į.	
		i	i	SURVEYOR CERTIFICATION
- <i>f-f- + + -f-f-</i> ,	++ <i>+-</i> +-+			
	į	į	!	i hereby certify that
	i	i	i	well location shown on this a
	1	! !	i i	was plotted from field notes actual surveys made by me
	į	!	1	under my supervision, and to
	i	i	i	the same is true and corre
	<u> </u>	! !	}	to the best of my knowled
		i	1 :	and belief.
		!	:	Date Surgent NCN W.
	;	1	•	Signature and Seas of
			!	Protestonel Sprengylin
		1	<u>;</u>	A BEZNER
	:	1	i i	NO. 7920/ 9
	į	•	:	
	Į.	<u> </u>	Į.	Was and Maria
	a a	1	!	
	i	ŧ	<u> </u>	Cerure and NO.C.D 1 2 NO.C.D
				Cerune 12 14 10 C 14 10 C V. U. BEZ. 15. 17920

	TOP TRUE	-	350 816 3782 4011	•_	,
	WEAS, DEPTH		350 816 3782 4011	7900	
	NAME		T/Rustler T/Salt B/Salt T/Lamar	Mtn. Group::// T/Bone Spring Lime	
DESCRIPTION, CONTENTS RIC				:	
DESCRI		No DST's	No Cores		
поттом					
TOP				•	- -
FORMATION					

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL		JAME	S RANCH U	<u>NIT NO. 65</u>		_FORMA'_		DELAW	/ARE	
OCATION		В	_ UNIT,	330	FEET FROM N	_LINE & _	2310	_FEET FROM	E	LINE
SECTION	6	TOWNSHIP	<u>23S</u>	RANGE	31E, COUN	ľ	EDDY	7	, NEW ME	XICO
SPUD DATE		7/8/96	_ COMPLET	ION DATE	3/9/97	_INITIAL PI	RODUCTIO	N	3/17/97	
PERFORATIO	ons _	7626-36'								
STIMULATIC	N:			* *************************************						
	ACID	200 GALS 1	5% HCL			·				_
	FRACTURE		14,085 G.	ALS YF 130	+ 61,000# 20/40	OTTAWA	SAND + 15	i,000# 20/40 S	B ULTRA.	_
										-
						<u>. </u>				_
										_
	3/23/97 14 of C-105. At				eted Well.)					-
				etch of Compl	ETRIC CALCU	S		PERFORATED		-
Attach Copy	of C-105. At	tach Copy of		VOLUM		S	OTENTIALL	PERFORATED Y PRODUCTIV		_
Attach Copy	of C-105. At	tach Copy of		VOLUM	ETRIC CALCU	S	OTENTIALL 40			_
Attach Copy Area (A) pror Porosity (por)	of C-105. At	tach Copy of		VOLUM 40 12.0%	ETRIC CALCU	S	40 15.0%			
Area (A) pror Porosity (por)	ation unit size,	tach Copy of		40 12.0%	ETRIC CALCU	S	40 15.0% 63%			- -
Area (A) pror Porosity (por) Water saturation	ation unit size, , % on (Sw), % (h), ft.	acres		40 12.0% 60%	ETRIC CALCU	S	40 15.0% 63%			- -
Area (A) pror Porosity (por) Water saturation Net Thickness	ation unit size, , % on (Sw), % (h), ft. T), Fahrenheit	acres		40 12.0% 60% 44 120	ETRIC CALCU	S	40 15.0% 63% 11			-
Area (A) pror Porosity (por) Water saturation Net Thickness Femperature (Bottom Hole p	ation unit size, , % on (Sw), % (h), ft. T), Fahrenheit	acres		40 12.0% 60% 44 120 3,305	ETRIC CALCU	S	40 15.0% 63% 11 120 3,191			- - - -
Area (A) pror Porosity (por) Water saturation Net Thickness	ation unit size, , % on (Sw), % (h), ft. T), Fahrenheit	acres		40 12.0% 60% 44 120	ETRIC CALCU	S	40 15.0% 63% 11			-

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

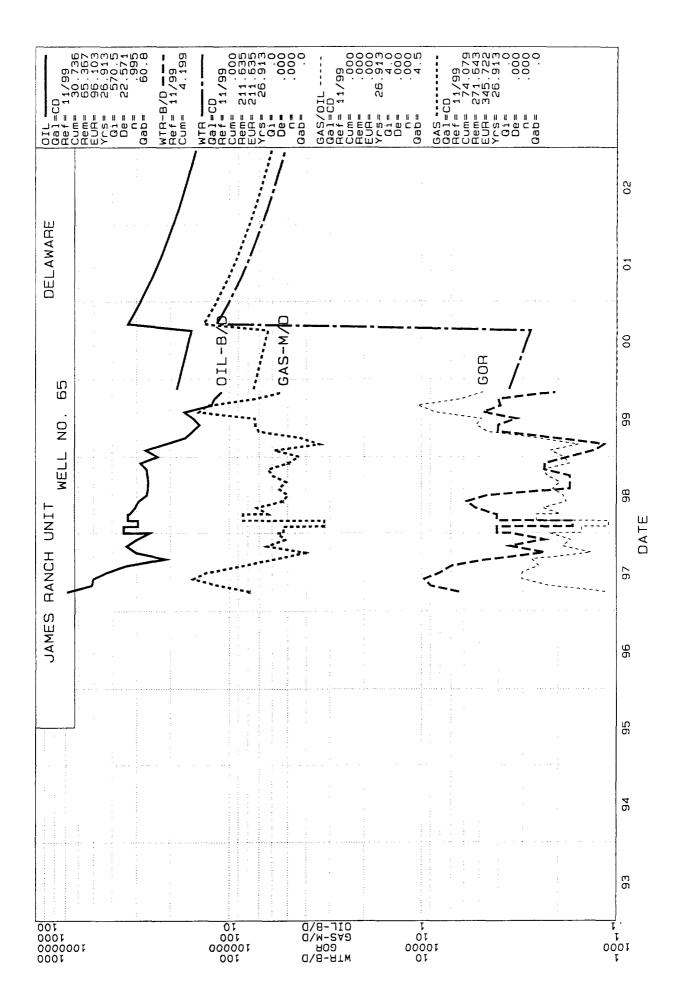
Boi = 1.50

^{*}Sometimes unable to match performance due to volumetric uncertainty.

PERFORMANCE DATA

If sufficient history exists,	attach plot of oil production r	rate v time.)			
CUMULATIVE PRODUC	TION TO	11/30/99	; <u>30736</u> BB	LS	
		PRO	DUCING		BEHIND PIPE
NITIAL RATE (qi)			570		578
CONOMIC LIMIT (ql)			60		60
ECLINE RATE, dy (Hyp	erbolic, n=.995)	22	.57%		43.12%
EMAINING OIL (Q) =		50),964		10,000
ILTIMATE RECOVERAB	LE OIL	91	,700		
Attach plat showing prora	ition unit and participating are	a.)			
		FC0	NOMIC		
		ECO	NOMIC		
OTAL COST \$	635,000 GROSS OIL	REVENUE	OPERATING COS	10% NET BFIT DISCOUNTED CASH FLOW	
ZERO	0	0	00	-570,000	
1	11,900	260,700	36,200	215,400	
2	11,100	167,100	32,300	118,100	
3	7,400	166,900	32,200	106,700	
4	7,500	224,700	37,200	134,500	
5	8,500	222,200	38,300	119,300	
6	6,100	151,600	32,300	70,000	
	4,800	114,100	_29,100	45,100	
7	····				
7 8	3,900	93,600	27,300	31,800	
		93,600	27,300 26,100	<u>31,800</u> <u>23,200</u>	
8	3,900				

WELL IS COMMERCIAL



DATE : 02/08/00
TIME : 08:00:59
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 50

700 LSE/WI	570 PRI/OIL 575 PRI/GAS	565 ATX	555 STX/OIL 560 STX/GAS	550 OPC/T	544 PRI/WTR 545 "	539	537 "	536 *		# U 4 4 2 :	532 "		526 "	525 *	524 *	523 *	522 *	520 #	519 "			516 PRI/OIL	450 START	440 WTR/OIL 445 "	435 START	430 GAS/OIL	425 START	420 "		410 OIL	405 START		ITEM	
100.0000	9100 1300	. 17	7.08 7.93	1600.00	.5000	2.58	2.60	2.27	2.11	У. ЛО ⊢	1.94	1.8900	18.13	18.18	19.20	20.67	24.94	14.44 10 25	20.74	22.26	18.39	16.8800	03/97	.19 3.50	11/99	4.04	11/99	92.81	1034.20	570.49	11/99	1 1 1 1	SCHEDULING RATES	
Ū	9100 1300	×	××	×	.5000 x	× ×	: ×	×	×	× ×	< ×	×	×	×	×	×÷	< >	< ≻	×	×	×	×		3.50		4.52		×	×	×			RATES	
مد	W/\$ (B/\$ (ф	**	\$/M	\$/U \$/U	W/S	M/S	\$/M	S (n U	2 × ×	M/S	\$/B	\$/B	\$/8	s/B	y 4/2	6/B	\$/B	\$/B	\$/B	s/B		u/B 8/D		M/B		В/М	В/м	В/м			1 1 1	H
To	TO	TO	To	Ö	1/2000 TO	TO 2002	1/2001	1/2000	1/99	1/98	1/96	1/95	TO	1/2004	1/2003	1/2002	1/2000	1/2000	1/98	1/97	1/96	1/95		09/2000 TO		05/2031		7.49	07/2018	09/2000			SCHEDULE	PUT D.
LIFE	RAIT	LIFE	TIFE	LIFE	AD LIFE	LIFE	\$ 8	Д	8	5 E	3 8	XX/WW	LIFE	AD.	8	ð i	3	A A	AD.	AD	AD ;	XX/MM		AD		AD		IMU	\$	ΔD		1	UNTIL	ATA
FLAT	od Od	PC	od Od	SCH	24	Ođ Ođ	8 8	Dd	PC C	ה ה	PC	DQ.	Ŋ	Эđ	P C	D C	ט ה ייני	D C	PC	PC .	ЪС	PC		EXP		LOG		EXP	H/0.995	H/0.995			PROCEDURE	
. 00	. 00	. 00	. 00	OPC	.00	. 00	.00	. 00	. 00		. 00	. 00	.00	. 00	. 00	. 00		. 00	.00	.00	. 00	. 00		9.47 TIME		TIME		5.00	43.12	22.57				
																												96.103	88.618	35.907			ULTIMATE	
9/26	9/26 9/26	9/26	9/26 9/26	9/26	2/97 2/97	9/26	12/00	12/99	12/98	12/97	2/97	9/26	9/26	12/03	12/02	12/01	13/00	12/98	12/97	9/26	9/26	9/26		8/00 9/26		4/31		9/26	6/18	8/00		1	LAST	CAL
																								9.47				5.00	43.12	22.57			EFF. DECL	CULAT
1.000	910 130	.002	.071 .079	1600.000	.500	2.580	2.600	2.270	2.110	2.610	1.940	1.890	18.130	18.180	19.200	20 670	24 940	14.430	20.740	22.260	18.390	16.880		. 191				93.	1034.	570.			INIT. RATE	ED DAT
1.000	18.130 2.570	.002	.071 .079	1600.000	. 500	2.580	2.600	2.270	2.110	3 Kg0			18.130	18.180	19.200	20 670	19.250	14.430	20.740					.176				61.	93.	470.			FINAL RATE	A

PROJECT ASSUMPTIONS PASE DATE : 3/9 P.W. DATE : 3/9 REPORT DATE : 3/9	201 LOSS NO 205 CUMO, MB 210 LOSS NO	RESERVE PARAMETERS	800 DRILL 801 WORKOVER 802 SALVAGE	INVESTMENT	905 LOAD P 910 LOAD P 915 LOAD P	OVERLAYS	761 OWN/ORR	740 LSE/RIG 760 LSE/ORR	721 OWN/RI	720 LSE/RIC	701 OWN/WI
3/97 3/97 3/97	NO 30.74	ETERS	240.00 .00 -24.00	TANGIBLES & INTANGIBLES	P.OIL OIL # P.GAS GAS # P.WATER WTR #	SCHEDULING RATES	.0000	12.5000	.0000	12.5000	100.0000
TIME FRAJ PW %-AGE PROD QUAJ			330.0 65.0	ENI 3	##:	G RATE	D	ם ם	ט	ם	U
ES:	CUMG, MMF	ITEM	330.00 M\$G 65.00 M\$G .00 M\$G	TANGIBLES		35	æ	ap ap	مبن	*	d e
1*10 38*12 10.0 CD	74.08	; ; ; ;	03/97 9/2000 TO	TIME		SCHEDULE UNTIL	70	TO	To	70	To
1*600 DISC. OWNER	0		AD AD LIFE	 		UNTIL	LIFE	LIFE	LIFE	LIFE	TIFE
FREQUENCY :	CUML, MB	ITEM	РC	PROCEDURE		PROCEDURE	FLAT	FLAT FLAT	FLAT	FLAT	FLAT
365. CD		l l l l	. 00	! ! !			. 00	. 00	. 00	. 00	. 00
OTF	:) 1 1 1 1 1 1	570.000 65.000 -24.000	TOTAL T&I	31.065 75.660 4.199	ULTIMATE					
OTHER QUAL :	:	1 1 1 1 1 1	3/97 9/ 0 9/26	MONTH	2/00 2/00 2/00 2/00		9/26	9/26 9/26	9/26	9/26	9/26
: G		; ; ; ;		RISK INV.		EFF. DECL					
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	570.0 65.0 -24.0	TOT. T&I&R				. 125		.125	1.000
		t t t d d d d d d d d d	570.0 65.0 -24.0	ESC. Talar		FINAL RATE		.125		.125	1.000

JRU #65 DELAWARE PREPARED BY: KENT ADAMS

DATE : 02/08/00
TIME : 08:00:59
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 50

RESERVES AND ECONOMICS EFFECTIVE DATE: 3/97

PRESENT WORTH @ 10.00 &	ECONOMICS, M\$	WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	OWNERSHIP 1) WORKING INTEREST, \$ 2) REVENUE INTEREST, \$	PERIOD ENDING
215.4 570.0 -354.6	260.7 18.9 16.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.7 1.7	25.4 22.2 54.6	11.9 10.4 206.0 19.83	.0 570.0 .0 570.0	100.000	_
118.1 .0 118.1 -236.5	167.1 12.1 .3 19.2 .0 .0 .0 .134.9	1.3 1.3	20.8 18.2 36.1 1.980	11.1 9.7 131.1 13.52		100.000	_
106.7 .0 .0 106.7 -129.8	166.9 12.2 1.3 19.2 .0 .0 .0 .134.7	1.0 1.0	25.6 22.4 47.9 2.140	7.4 6.5 119.0 18.34		100.000	2/
134.5 45.8 88.7 -41.1	224.7 16.5 19.2 11.1 1.1 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	13.5 13.5	31.3 27.4 67.6 2.470	7.5 6.5 157.1 24.03	65.0 65.0	100.000	12/00
119.3 .0 119.3 78.1	222.2 16.4 .3 19.2 2.4 .0 .0 .183.9	29.9 29.9	34.7 30.4 74.4 2.450	8.5 7.5 147.7 19.76		100.000	2/00 12/01
70.0 .0 70.0 148.1	151.6 11.2 19.2 19.2 1.7 .0 .0 .119.2	21.5 21.5	25.0 21.9 53.4 2.440	6.1 5.4 98.2 18.29		100.000	1
45.1 .0 .45.1 193.3	114.1 8.4 9.2 19.2 1.3 0 0 85.0	16.8 16.8	19.6 17.1 41.8 2.440	4.8 4.2 72.3 17.27		100.000	12/03
31.8 .0 31.8 225.1	93.6 6.9 .1 19.2 1.1 0 .0 66.2	13.7 13.7	16.1 14.1 34.4 2.440	3.9 3.4 59.1 17.22		100.000	12/04
23.2 248.2	79.4 5.9 19.2 .0 .0 .0 53.3	11.6 11.6	13.7 12.0 29.3 2.440	3.3 2.9 50.1 17.22		100.000	12/05
17.2 .0 17.2 265.4		10.1	11.9 10.4 25.5 2.440	2.9 2.5 43.5 17.22		100.000	12/06
881.2 615.8 265.4 265.4	1549.2 113.6 2.4 188.8 111.4 .0 .0 .0 .0 .1233.0 635.0 598.0	121.1 121.1	224.2 196.2 465.1 2.371	67.4 59.0 1084.1 18.37	635.0 635.0	100.000	н
54.4 -1.7 56.2 321.6	6. 8 8. 8 9. 0 9. 0 9. 0 9. 0	. 080	102.9 90.0 219.6 2.440	24.2 21.2 365.1 17.22	-24.0 -24.0	100.000:	AFTER
935.7 614.1 321.6 321.6	2133.9 156.9 3.4 505.6 18.2 .0 .0 .0 .1449.9	205.9 205.9	327.1 286.2 684.7 2.393	91.7 80.2 1449.1 18.07	.0 611.0 611.0	100.000	26.3 YR TOTAL

\ }

DATE : 02/08/00
TIME : 08:00:59
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 50

AFTER TAX ECONOMICS

				EFFECT	EFFECTIVE DATE:	E: 3/97							
PERIOD ENDING	12/97	12/98	12/99	12/00	12/01	12/02	12/03	12/04	12/05	12/06	S TOT	Ø	26.3 YR TOTAL
TAX TREATMENT OF INVESTMENTS, M\$	ENTS, M\$							1			1	1	1
	330.0	. 0	. 0	65.0	. 0	. 0	. 0	. 0	. 0	. 0	395.0	. 0	395.0
2) DEPLETABLE3) DEPRECIABLE	.0 240.0			0			0	0			240.0	.0 -24.0	.0 216.0
TAX CALCULATIONS, M\$						-							
4) GROSS REV. TO INTR.	260.7	167.1	166.9	224.7	222.2	151.6	114.1	93.6	79.4	69.0	1549.2	584.7	2133.9
5) - SEVERANCE TAX	18.9	12.1	12.2	16.5	16.4	11.2	8.4	6.9	5.9	5.1	113.6	43.3	156.9
- WPT TAX NET	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0
e) . NET CONTENT TATE	17.3	20.1	20.0	20.6	21.9	21.2	20.7	20.4	20.3	20.1	202.6	324.5	527.1
- OVERHEAD													
1	330.0	. 0	. 0	65.0	. 0	. 0	. 0	. 0	.0	. 0	395.0	. 0	395.0
,	28.6	54.7	44.8	32.0	22.9	21.4	21.4	14.3	.0	.0	240.0	. 0	240.0
13) = DEDIATION	-134.1	80.2	89.9	90.6	161.0	97.8	63.6	51.9	53.3	43.8	598.0	216.9	814.9
•													
ĸ	-134.1	80.2	89.9	90.6	161.0	97.8	63.6	51.9	53.3	43.8	598.0	216.9	814.9
*	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
18) - WPT REFUND	o c	 o c	 o c		 o c		 o c	 o c		 o c	 o c		
19) = F.I.T.	-46.9	28.1	31.5	31.7	56.4	34.2	22.2	18.2	18.6	15.3	209.3	75.9	285.2
20) REVENUE-SEV-WPT	241.7	155.0	154.7	208.2	205.8	140.4	105.7	86.6	73.5	63.9	1435.6	541.4	1977.0
- OPR, COSTS &	17.3	20.1	20.0	20.6	21.9	21.2	20.7	20.4	20.3		202.6	324.5	527.1
+									. 0		. 0	. 0	. 0
,	-46.9	28.1	31.5	31.7	1 06.	34.2	22.2	18.2	18.6		209.3	75.9	285.2
25) = IOAN REPAYMENT	0 . 4	0 . a	7.507	0 7.001	12/.5	αυ. Ο Ο	σ2.	φ. Ο C	34.6	. A	1023.7	141.0	1164.7
•				. 0		. 0	. 0		:				
- NET INCOME	271.4	106.8	103.2	155.9	127.5	85.0	62.7	48.0	34.6	28.4	1023.7	141.0	1164.7
1	570.0			65.0	.0	. 0	.0	. 0	. 0	.0	635.0	-24.0	611.0
29) # A.F.I.T. NET	-298.6	106.8	103.2	90.9	127.5	85.0	62.7	48.0	34.6	28.4	388.7	165.0	553.7
PRESENT WORTH @ 10.00 %													
NET INCOME	260.4	93.5	81.8	111.7	82.7	49.9	33.3	23.1	15.1	11.2	762.7	35.4	798.1
	570.0	3.		45.8)		. 0		. 0		615.8	-1.7	614.1
33) CUM. A.F.I.T. NET	-309.6	93.5 -216.1	81.8 -134.3	-68.3	82.7 14.4	49.9 64.3	33.3 97.6	23.1 120.7	15.1 135.7	11.2 146.9	146.9	37.1 184.0	184.0 184.0
Com. A.F	1000.0	T.017	1 1 1 1 1	-00.2	1.4	04.0	91.6	120.7	T35.7	146.9	146.9	184.0	184.U

JRU #65 DELAWARE PREPARED BY: KENT ADAMS

DATE : 02/08/00
TIME : 08:00:59
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 50

ECONOMIC INDICATORS

AS OF DATE: 3/97

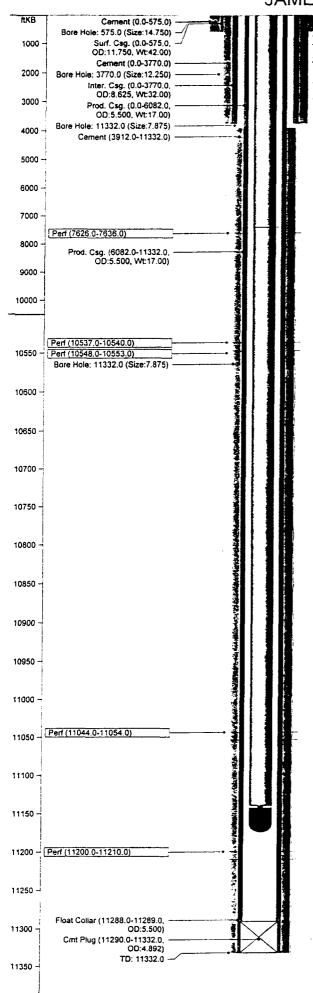
	3.81	YRS. 3.45	UNDISCOUNTED PAYOUT, YRS.
	20.7	25.7	RATE OF RETURN, PCT.
-356,451	-339.710	-358.458	100.
-341.025	-323.581	-340.624	90.
-322.611	-304.483	-318.994	80.
-300.096	-281.373	-292.145	70.
-271.740	-252.660	-257.889	60.
-234.684	-215.809	-212.703	50.
-183.917	-166.568	-150.619	40.
-109.844	-97.278	-60.752	30.
8.648	7.384	78.958	20.
231.345	184.006	321.594	10.
302.712	235.217	392.924	œ.
390.628	294.874	476.316	o.
442.837	328.579	523.523	5.
648.858	450.011	693.764	2.
851.784	553.660	838.861	0.
		ONUS TABLE	RATE-OF-RETURN VS. BONUS TABLE
		S AND	PRESENT WORTH PROFILE
M\$	M\$	M\$	
BONUS	WORTH	WORTH	
A.F.I.T.	A.F.I.T.	B.F.I.T.	

DISCOUNTED PAYOUT, YRS.
UNDISCOUNTED NET/INVEST.
DISCOUNTED NET/INVEST.

4.18

1.52

4.66 1.91 1.30



JAMES RANC					
API No.	3001527995	Status		ACT O	
TD PBTD	11332.0 ftKB 11290.0 ftKB	Engineer		KAA	
Operator	BEPCO	Permit			
Well No.	65	Spud		7/18/9	
ID Code		RR ·		8/4/96	
Field	LOS MEDANOS	Completion	7	9/2/96	
Author	RAS	Last Act.			
Date Updated	1/27/98	Abandone	1		
Comments	Drilled by Enron				
Location					
Township	S023	Top Latitud		0	
	E024	Top Longit	ude	0	A 11
Range	E031	Top NS Dis Top EW Di	stance	330.0 2310.0	
Section	6	Bottom Lat	itude	2310.0	/1L E
Unit Ltr.	В	Bottom Lor	naitude		
State	New Mexico	Btm NS Dis	stance	0.01	t
County	Eddy	8tm EW Di	stance	0.0 f	t
Elevations					
KB	3331.0 ft	Cas Fing		0.0	
Grd	3318.0 ft	Tub Head		0.0	ft
KB-Grd	13.0 ft	<u> </u>			
	- Surface Casing		144		
iltem		nts ID	Wt	Grd	Thd
(in) 11 3/4 in Surf.	(ftKB) (ftKB) 0.0 575.0	15: 11.08	4 42.00	H 40	STC
Csg.	0.01 373.0	15: 11.00	4. 42.00	n-40	310
	- Intermediate Ca	eina			
Item		nts ID	; Wt :	Grd :	Thd
(in)	(ftKB) (ftKB)	1100	""	0.0	1114
8 5/8 in Inter.	0.0 3770.0	7.92	1 32.00	J-55	STC
Csg.					
	- Production Cas	ing			
Item	Top Btm J		Wt	Grd	Thd
(in)	(ftKB) (ftKB)		1 1		
5 1/2 in Prod.	0.0 6082.0	144 4.89	2 17.00	P-110	LTC
Csg.	· · · · · · · · · · · · · · · · · · ·	,			
5 1/2 in Prod.	6082.0 1332.0	121 4.892	2 17.00	JF-95	LTC
Can	the state of the s		: :		
Csg.	1288 0 1289 0	0.000	0.00	<u>:</u>	
5 1/2 in Float	1288.0 1289.0	0.000	0.00		
5 1/2 in Float Collar	<u> </u>	0.000	0.00		
5 1/2 in Float Collar Casing Cemen	<u> </u>	0.000		nents	
5 1/2 in Float Collar	<u> </u>	mount (sx)		nents	
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing	t ; Top A (ftKB)	mount (sx)		nents	
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casi	t Top A (ftKB)	mount (sx) 360 975	Com		
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing	t Top A (ftKB) 0.0 ng 0.0 3912.0	mount (sx) 360 975			
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Tubing String	t Top A (ftKB) 0.0 ng 0.0 3912.0 Primary Tubing	mount (sx) 360 975 1725 TOC	Comi	Sur.	
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casing Production Casing Tubing String Item	t Top A (ftKB) 0.0 ng 0.0 3912.0 Primary Tubing Top Btm	mount (sx) 360 975 1725 TOO	Come C by Temp.		Thd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casi Production Casing Tubing String Item (in)	t Top A (ftKB) 0.0 ng 0.0 3912.0 Primary Tubing Top Btm (ftKB) (ftKB)	mount (sx) 360 975 1725 TOO (in)	Come	Sur. Grd	
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Tubing String Item (in) 2 7/8 in Tbg	t Top A (ftKB) 0.0 0.0 0.0 3912.0 Primary Tubing Top Btm (ftKB) (ftKB) 0.0 7421.0	mount (sx) 360 975 1725 TOO (in) 237 2.4	C by Temp. Wt	Sur.	8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Tubing String Item (in) 2 7/8 in Tbg 4 57/64 in TAC	t Top A (ftKB) 0.0 ng 0.0 g 3912.0 Primary Tubing Top Btm (ftKB) (ftKB) 0.0 7421.0 7421.0 7424.0	mount (sx) 360 975 1725 TOO (in) 237 2.4 0.0	C by Temp. Wt 41 6.50	Sur. Grd N-80	
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Tubing String Item (in) 2 7/8 in Tbg	t Top A (ftKB) 0.0 0.0 0.0 3912.0 Primary Tubing Top Btm (ftKB) (ftKB) 0.0 7421.0	mount (sx) 360 975 1725 TOC Jnts ID (in) 237 2.4 0.0 117 2.4	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50	Sur. Grd N-80	8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Tubing String Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in SN 2 7/8 in Perf Sub	t (ftKB) 0.0 ng 0.0 g 3912.0 Primary Tubing Top Btm (ftKB) 0.0 7421.0 7424.0 7424.0 11139.0 11140.0 11143.0	mount (sx) 360 975 1725 TOO Jnts ID (in) 237 2.4 0.00 117 2.4 0.0 0.0	Come C by Temp. Wt 41 - 6.50 00 - 0.00 41 - 6.50 00 - 0.00 00 - 0.00	Sur. Grd N-80 N-80	8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud	t Top A (ftKB) 0.0 ng 0.0 3912.0 Primary Tubing Top Btm (ftKB) (ftKB) 0.0 7421.0 7421.0 7424.0 11139.0 11140.0	mount (sx) 360 975 1725 TOO Jnts ID (in) 237 2.4 0.00 117 2.4 0.0 0.0	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00	Sur. Grd N-80 N-80	8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casi Production Casing Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor	t (ftKB) 0.0 ng 0.0 g 3912.0 Primary Tubing Top Btm (ftKB) 0.0 7421.0 7424.0 11139.0 11140.0 11143.0 11175.0	mount (sx) 360 975 1725 TOC Jnts ID (in) 237 2.4 0.0 117 2.4 0.0 0.0 0.0	Come C by Temp. Wt 41 - 6.50 00 - 0.00 41 - 6.50 00 - 0.00 00 - 0.00	Sur. Grd N-80 N-80	8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casi Production Casing Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e	t (ftKB) 0.0 ng 0.0 g 3912.0 Primary Tubing Top Btm (ftKB) 0.0 7421.0 7421.0 7424.0 11139.0 11143.0 11175.0 quip., etc.) - Plus (ftKB) - Plus (ftKB) 11143.0 11175.0 quip., etc.) - Plus (ftKB) - Plus	mount (sx) 360 975 1725 TOC Jnts ID (in) 237 2.4 0.0 117 2.4 0.0 0.0 0.0	Come C by Temp. Wt 41 - 6.50 00 - 0.00 41 - 6.50 00 - 0.00 00 - 0.00	Sur. Grd N-80 N-80	8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casi Production Casing Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor	t (ftKB) 0.0 ng 0.0 g 3912.0 Primary Tubing Top Btm (ftKB) 0.0 7421.0 7424.0 11139.0 11140.0 11143.0 11175.0	mount (sx) 360 975 1725 TOC Jnts ID (in) 237 2.4 0.0 117 2.4 0.0 0.0 0.0	Come C by Temp. Wt 41 - 6.50 00 - 0.00 41 - 6.50 00 - 0.00 00 - 0.00	Sur. Grd N-80 N-80	8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e Date	t (ftKB) 0.0 ng 0.0 3912.0 Primary Tubing Top Btm (ftKB) 0.0 7421.0 7421.0 7424.0 11139.0 11140.0 11140.0 11143.0 111143.0 11175.0 quip., etc.) - Plue	mount (sx) 360 975 1725 TOC Jnts ID (in) 237 2.4 0.0 117 2.4 0.0 0.0 0.0	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 00 0.00 00 0.00	Sur. Grd N-80 N-80 Int (ftKB)	8rd 8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e Date	t (ftKB) 0.0 ng 0.0 g 3912.0 Primary Tubing Top Btm (ftKB) 0.0 7421.0 7421.0 7424.0 11139.0 11143.0 11175.0 quip., etc.) - Plus (ftKB) - Plus (ftKB) 11143.0 11175.0 quip., etc.) - Plus (ftKB) - Plus	mount (sx) 360 975 1725 TOC Jnts ID (in) 237 2.4 0.0 117 2.4 0.0 0.0 0.0	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 00 0.00 00 0.00	Sur. Grd N-80 N-80	8rd 8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e Date 8/3/96 Cn	t (ftKB) 0.0 ng 0.0 3912.0 Primary Tubing Top Btm (ftKB) (ftKB) 0.0 7421.0 7421.0 7424.0 11139.0 11140.0 11140.0 11143.0 11143.0 11175.0 quip., etc.) - Plue Item	mount (sx) 360 975 1725 TOC Jnts ID (in) 237 2.4 0.0 117 2.4 0.0 0.0 0.0	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 1129	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 113	8rd 8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e Date	t (ftKB) 0.0 ng 0.0 3912.0 Primary Tubing Top Btm (ftKB) 0.0 7421.0 7421.0 7424.0 11139.0 11140.0 11140.0 11143.0 111143.0 11175.0 quip., etc.) - Plue	mount (sx) 360 975 1725 TOC Jnts ID (in) 237 2.4 0.0 117 2.4 0.0 0.0 0.0	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 1129	Sur. Grd N-80 N-80 Int (ftKB)	8rd 8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e Date 8/3/96 Cn	t (ftKB) 0.0 ng 0.0 3912.0 Primary Tubing Top Btm (ftKB) (ftKB) (ftKB) 7421.0 7424.0 11139.0 11140.0 11143.0 11143.0 11143.0 11175.0 quip., etc.) - Plug Item	mount (sx) 360 975 1725 TOC Jnts ID (in) 237 2.4 0.0 117 2.4 0.0 0.0 0.0 g Backs	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 00 0.00 1129	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 113	8rd 8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casing Production Casing Tubing String Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e Date 8/3/96 Cn Perforations Date	t (ftKB) 0.0 ng 0.0 3912.0 Primary Tubing Top Btm (ftKB) (ftKB) 0.0 7421.0 7421.0 7424.0 11139.0 11140.0 11140.0 11143.0 11143.0 11175.0 quip., etc.) - Plue Item	mount (sx) 360 975 1725 TOC Jnts ID (in) 237 2.4 0.0 117 2.4 0.0 0.0 0.0 3 Backs	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 1129	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 113	8rd 8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casi Production Casing Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, e Date 8/3/96 Cn Perforations Date 8/26/96 11/22/96 2/25/97	t (ftKB) 0.0 ng 0.0 3912.0 Primary Tubing Top Btm (ftKB) (ftKB) 7421.0 7421.0 7424.0 11139.0 11140.0 11143.0 11175.0 quip., etc.) - Plug Int 11200.0 - 112 11044.0 - 110 10537.0 - 105	mount (sx) 360 975 1725 TOO Jnts ID (in) 237 2.4 0.0 117 2.4 0.0 0.0 0.0 3 Backs	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 1129 Shots (/ft) 2.0 2.0	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 113	8rd 8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casi Production Casing Ittem (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e Date 8/3/96 Cn Perforations Date 8/26/96 11/22/96	t (ftKB) 0.0 ng 0.0 3912.0 Primary Tubing Top Btm (ftKB) (ftKB) 7421.0 7421.0 7424.0 11139.0 11140.0 11143.0 11175.0 quip., etc.) - Plug Int 11200.0 - 112 11044.0 - 110 10537.0 - 105 10548.0 - 105	mount (sx) 360 975 1725 TOO Jnts ID (in) 237 2.4 0.0 117 2.4 0.0 0.0 0.0 3 Backs	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 1129 Shots (/ft) 2.0 2.0 2.0	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 113	8rd 8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Intermediate Casin Tubing String 1 tem (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e Date 8/3/96 Cn Perforations Date 8/26/96 11/22/96 2/25/97 2/25/97 3/11/97	t (ftKB) 0.0 1 3912.0 Primary Tubing Top (ftKB) (ftKB) (ftKB) 7421.0 7421.0 7424.0 11139.0 11140.0 11143.0 11143.0 11175.0 quip., etc.) - Plug Int 11200.0 - 112 11044.0 - 110 10537.0 - 105 10548.0 - 105 7626.0 - 763	mount (sx) 360 975 1725 TOO Jnts ID (in) 237 2.4 0.0 117 2.4 0.0 0.0 0.0 3 Backs	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 1129 Shots (/ft) 2.0 2.0	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 113	8rd 8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Intermediate Casin Tubing String Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, e Date 8/3/96 Cn Perforations Date 8/26/96 11/22/96 2/25/97 2/25/97 3/11/97 Stimulations &	t (ftKB) 0.0 0.0 3 3912.0 Primary Tubing Top Btm (ftKB) (ftKB) 0.0 7421.0 7421.0 7424.0 11139.0 11140.0 11143.0 11175.0 quip., etc.) - Plug Int 11200.0 - 112 11044.0 - 110 10537.0 - 105 10548.0 - 105 7626.0 - 763 Treatments	mount (sx) 360 975 1725 TOO (in) 237 2.4 0.0 0.0 0.0 g Backs	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 1129 Shots (/ft) 2.0 2.0 2.0	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 113	8rd 8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Intermediate Casin Tubing String Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, e Date 8/3/96 Cn Perforations Date 8/26/96 11/22/96 2/25/97 2/25/97 3/11/97 Stimulations & Date Type	t Top A (ftKB) 0.0 9 3912.0 Primary Tubing Top Btm (ftKB) (ftKB) 0.0 7421.0 7421.0 7424.0 11139.0 11140.0 11143.0 11175.0 quip., etc.) - Plue Item 11200.0 - 112 11044.0 - 110 10537.0 - 105 7626.0 - 763 Treatments Interval	mount (sx) 360 975 1725 TOO Jnts ID (in) 237 2.4 0.0 117 2.4 0.0 0.0 0.0 3 Backs	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 1129 Shots (/ft) 2.0 2.0 2.0	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 113	8rd 8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Intermediate Casin Tubing String Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, e Date 8/3/96 Cn Perforations Date 8/26/96 11/22/96 2/25/97 2/25/97 3/11/97 Stimulations &	t (ftKB) 0.0 ng 0.0 3 3912.0 Primary Tubing Top Btm (ftKB) (ftKB) 0.0 7421.0 7421.0 7424.0 11139.0 11140.0 11143.0 11175.0 quip., etc.) - Plue Item nt Plug Int 11200.0 - 112 11044.0 - 110 10548.0 - 105 7626.0 - 763 Treatments Interval 11200.0 -	mount (sx) 360 975 1725 TOO (in) 237 2.4 0.0 0.0 0.0 g Backs	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 1129 Shots (/ft) 2.0 2.0 2.0	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 113	8rd 8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casi Production Casing Intermediate Casi Production Casing Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e Date 8/3/96 Cn Perforations Date 8/26/96 11/22/96 2/25/97 3/11/97 Stimulations & Date Type 8/29/96; Sand Frac	t (ftKB) 0.0 0.0 3 912.0 Primary Tubing Top Btm (ftKB) (ftKB) 0.0 7421.0 7421.0 7424.0 11139.0 11140.0 11143.0 11175.0 quip., etc.) - Plug Item 11200.0 - 112 11044.0 - 110 10548.0 - 105 7626.0 - 763 Treatments Interval 11200.0 - 11210.0 - 11210.0	mount (sx) 360 975 1725 TOO (in) 237 2.4 0.0 0.0 0.0 g Backs	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 1129 Shots (/ft) 2.0 2.0 2.0	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 113	8rd 8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casin Production Casing Intermediate Casin Tubing String Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs, e Date 8/3/96 Cn Perforations Date 8/26/96 11/22/96 2/25/97 2/25/97 3/11/97 Stimulations & Date Type	t (ftKB) 0.0 ng 0.0 3912.0 Primary Tubing Top Btm (ftKB) (ftKB) (ftKB) 0.0 7421.0 7424.0 11139.0 11140.0 11143.0 11143.0 11175.0 quip., etc.) - Plug Item 11200.0 - 112 11044.0 - 110 10537.0 - 105 10548.0 - 105 7626.0 - 763 Treatments Interval 11200.0 - 11210.0 11044.0 - 11210.0 11044.0 -	mount (sx) 360 975 1725 TOO (in) 237 2.4 0.0 0.0 0.0 g Backs	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 1129 Shots (/ft) 2.0 2.0 2.0	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 113	8rd 8rd 8rd
5 1/2 in Float Collar Casing Cemen Casing String Surface Casing Intermediate Casi Production Casing Intermediate Casi Production Casing Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in Perf Sub 2 7/8 in Mud Anchor Other (plugs, e Date 8/3/96 Cn Perforations Date 8/26/96 11/22/96 2/25/97 3/11/97 Stimulations & Date Type 8/29/96; Sand Frac	t (ftKB) 0.0 0.0 1 3912.0 Primary Tubing Top Btm (ftKB) (ftKB) 7421.0 7421.0 7424.0 11139.0 11140.0 11143.0 11143.0 11175.0 quip., etc.) - Plug Item 11200.0 - 112 11044.0 - 110 10537.0 - 105 7626.0 - 763 Treatments Interval 11200.0 11054.0 11054.0	mount (sx) 360 975 1725 TOO Jnts ID (in) 237 2.4 0.0 117 2.4 0.0 0.0 0.0 3 Backs	Come C by Temp. Wt 41 6.50 00 0.00 41 6.50 00 0.00 1129 Shots (/ft) 2.0 2.0 2.0	Sur. Grd N-80 N-80 Int (ftKB) 0.0 - 113	8rd 8rd 8rd

WELL HISTORY

WELL NAME:

JAMES RANCH UNIT #65

FIELD NAME:

LOS MEDANOS (WOLFCAMP)

LOCATION:

330' FNL & 2310' FEL SEC 6, T-23-S, R-31-E

EDDY CO., NM

ELEV:

3318' GL, 3331.2'KB

SPUD DATE:

7/8/96

COMP DATE:

9/2/96

ORIG TD:

11,332'

ORIG PBTD:

11,290'

CASING:

16" CONDUCTOR SET @ 40'

11 3/4" 42#, H-40,ST&C CSA 575', CMT W/360 SXS CL H, CMT CIRC TO SURFACE 8 5/5" 32#, J-55, ST&C CSA 3770', CMT W/975 SXS, CMT CIRC TO SURFACE 5 1/2", 122 JTS, 17# CF95, LT&C AND 145 JTS 5 1/2 17# P-110 & CF-95, LT&C CSA 11,332', CMT W/1725 SXS PREM 50/50 POZ A. TOC @ 3912' BY TEMP SURVEY

TUBING:

DST:

NONE

CORES & LOGS:

NO CORES

LOGS: HALLIBURTON, DILL-SGRD/SDL-DSN; 8-1-96

INITIAL COMPLETION

8-24-96 through 8-30-96 INITIAL COMPLETION

8-24-96 Bass to complete well.

8-26-96 RIH W/GR-CCL tool & log intervals 11,283-10,283', 8000-7000', and 6050'-5850'. PERF 11,200'-11,210'(Wolfcamp) w/2 JSPF/180 deg

phased, 20 shots.

8-29-96 Load hole w 136 bbls 2% KCL, pump 18 bbls 15% HCL w/additives

across WC perfs, break fm @ 3900# psi, pump @ 4000 psi, ISIP 3950 PSI and 3720 PSI after 10 min. RU Dowell and frac well with 28,960 gals YF-140 gel + 144,000# 20/40 Ottawa sand + 5,000# 20/40 econo

prop. Well screened out

10/29/96 Tag up @ 11,212' on soft fill (frac sand) Run flowing gradient pressure tests. Set BHP bomb, SI 5 days for BU. Attempt 10/18/96 to 10/29/96

to retrive BHP tools, stuck w/frac sand. Bailed sand, recovered BHP tools. Return well to prod.

WELL HISTORY
JAMES RANCH UNIT #65
PAGE 2

- 12/26/96 POH w/3 $\frac{1}{2}$ " tbg & LD, RIH w/2 7/8" tbg, EOT @ 10,943'. Swabbed and left well flowing to battery. AWO: 1-7-97 F 96 BOPD + 94 BWPD + 146 MCF on 16/64" ck. 80# FTP, no sand.
- 2/8/97 Run BHP test.

- 8/11/97 to 8/19/97 DO CIBP'S & COMMINGLE ALL ZONES

 DO CIPB @ 7900', DO CIPB @ 10,750', DO CIPB @ 11,153'. Drill out fill to 11,332' PBTD (new). Flow and clean up well. Tag fill @ 11,284'. RIH w/tbg, rods & pump. Place well on prod.

 AWO: 9/2/97 99 BO, 5 BW, 217 MCF.

DISTRICT I P.G. Ber 1980, Hobbs, NM 58241-1980

State of New Mexico

Energy, Mastels and Matural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

Pool Name

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.G. Drawer DB, Artesta, NM 88211-0719

RICT III

P.C. Drawer DB, Artesia, NM 56211-0719

1000 Rio Brazos Rd., Astec, NM 87410

OIL CONSERVATION DIVISION

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

DISTRICT IV P.O. Box 2088, Santa Fe. NM 87504-2088

API Number

LOT 7 41.15 AC.

☐ AMENDED REPORT

12541

CARY C. EIDSON.

WELL LOCATION AND ACREAGE DEDICATION PLAT

Pool Code

								•	
Property	Code		· 		Property JAMES RAN			Well Num	
OGRID N					Operator 1	·		Elevatio	
JURE A	.		ε	SASS EN	•	PRODUCTION (CO	3318	
					Surface L	ocation			
IL or lot No.	Section	Township	Range	Lot Idn	Feet from th	e North/South line	Feet from the	East/West line	Count
LOT 2	6	23 S	31 E		330	NORTH	2310	EAST	EDD'
			Bottom	Hole Lo	cation If Di	fferent From Sur	face	<u> </u>	
L or lot No.	Section	Township	Renge	Lot Idn	Feet from th	e North/South line	Feet from the	East/West line	Count
edicated Acres	Joint o	or Infill Con	nsolidation	Code Or	der No.		-		
						·			
NO ALLO	WABLE Y					UNTIL ALL INTER N APPROVED BY		EEN CONSOLIDA	TED
				· · · · · · · · · · · · · · · · · · ·			THE BIVIOLON		
	i	•	3320	3	3320.6'		OPERATO	OR CERTIFICAT	NOF
	.			0-+		2310'		y certify the the tny	
	1		3316	11-1	3319.8'		11	n is true and comple viedge and bellef.	ite to th
	ĺ				ĺ				
	i				i				
_									
OT 4 40.4	15 AC.	<u>LOT 3 39</u>	.90 AC.	LOT 2_	_39.94 AC.	LOT 1 39.98 AC.	Signature		
	ĺ				ĺ				
	1						Printed Name	e .	
	1				. 1		Title		
	l				ţ			·	
					1		Date		
OT 5 40.7	9 AC.				1		SURVEYO	R CERTIFICAT	ION
<u></u> .							/ hereby certify	that the well location	n show
	i į		ļ		! 1		on this plat wa	s piotted from field	notes o
	1		1		!			made by me or i i that the same is	
	{]		1		i i	best of my bettef.	
			1		1		IANILI	ARY 22, 1995	
					,		Date Surveyer		Jl
OT 6 40.9	6 AC.		↓				Signastire &	Seal of	
	}				1		Professional	Surveyor, - ",	
	1		1		! 		1 firm	71.0 10	
	1				i i		Monath	1. Toldson	1-30-9
	1				† 1		W.O. NO.	n. 96-11-009	
	1		1		;		 '		676
	i		İ		1		Certificate No.	RONALD J. EIDSON.	

Form 3160-4 (July 1992)	DE			JF 1	ATES THE INTI		BMIT IN	(CATE* See othe. structions on everse side)	3. L	Exp	ires: Fe	PPROVED . 1004-0137 :brusty 28, 1995 HAND SERIAL NO.
WELL CON	IPLE	TION	OR RE	COM	LETIO	V RER	ORT	AND	Egg	£ 6. II	INDIAN, A	LLOTTE	E OR TRIBE NAME
b. TYPE OF COMI	<i>,</i> :		TXI å	LUG X	DRY DEFF.	Other Iqq			Δ IO: 2	7. 0	NIT AGREE	lanch	
2. NAME OF OPERATOR Bass Enterpri 3. ADDRESS AND	ses Pro					JARLS	EAU 0 SBAD 8	F LAN RESOU	ID MGMT RCE AR	ËA J	iames R	anch	
P.O. Box 2760							BEDE	915)16	83-2277		0-015-		
At surface 330 'FNL & 23 At top prod. interva Same At total depth Same	10° FEL			ED FOR	ASCORD 1997 I. PERMIT NO.	nuireman(s)	DATE	B.E.C		111. S A S P 12. CO	ec. T.R. ND SURVE ection OUNTE OR RISH	M., OR I	
15. DATE SPUDDED	i	ET.D. REAC	HED 17.		M (Souly to pos	1	1		DF, RKB, RT	, GR, ETC		19. EL	EV. CASINGHEAD.
3/11/97 20. TOTAL DEPTH, MD 11,332*		11/97 21. PLUG. 7900	BACK T.D., M	3/16/9:	22. IF MULTI HOW MAN		•	23. IN	. 3331.	1 80	B TARY TO: -11,33	-	CABLE TOOLS
24. PRODUCING INTERV		HIS COMPL	ETION - TOP, I	N, MOTTOS		D)*)EXI	T12	+_				25.	was directional survey made No
26 TYPE ELECTRIC AN	D OTHER LO	XGS RUN										27. WAS	WELL CORED NO
28.						ort all string	s set in we	н ()			·		
CASING SIZE/GRADE	42#	IGHT, LB./F	r. Dem 575°	III SET (MD	14-3/4	LE SIZE		_	Prem F				AMOUNT PULLED
. 	32#		3770		11*	<u> </u>			(Prem F				
8-5/8" -1/2"	17#		11.3		7-7/8	<u> </u>			x Prem				
				-				27.00		11 03		 -	
29.		L	INER RECO	RD				30.		TUBI	NG REC)RD	
SIZE	TOP (M	(0	BOTTOM (ME) SA	CKS CEMENT.	SCREE	N (MD)	_	ZE		H SET (MD	\rightarrow	PACKER SET (MD)
None								2-7	7/8*	10	,943		
31. PERFORATION RECO	PD (Internal	l size and s				T							
CIBP set @ 7		, size ama n	iumper)			7626	INTERVA			AMOUNT	AND KIND	OF MAT	ERIAL USED YF130 guar
Perf'd w/ 4	csg gt	un load	ed w/ 2	JSPF @	180 degre				base	d ge1			20/40 Brady
phasing. 76	26-36	(10'	. 20 sho	ts)					sano	<u>. </u>	~		
33.*					PRODUCTI	ŮМ			L			•	
3/17/97	1	1			as lift, pumping 1/4" × 24"		pe of pun	φ)			WELL ST		roducing or oducing
ATE OF TEST	HOURS TE	STED	CHOKE SE		ROD'N, FOR EST PERIOD	OIL - BBL		GAS - M	ICF.	1	R - 88L.	ŧ	AS - OIL RATIO
3/29/97	24		NA NA	'		93		111		9			193
LOW. TUBING PRESS.	CASING PI	RESSURE	CALCULA 24-HOUR R	urr l	11L - BBL 93	GAS 11	- мсғ. 1		WATER -	3BL.	1	oilgrav 14.0	/ITY - API (CORR.)
34. DISPOSITION OF GAS	-	for fuel, ve	nied, sic.)			7.7.11				TEST W	TINESSED	BY	
Sales, Lease L	se									<u> </u>			<u>·</u>
5. LIST OF ATTACHMEN	T3			·					1.				

TITLE Production Clerk

^{*(}See instructions and Spaces for Additional Data on Reverse Side)

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

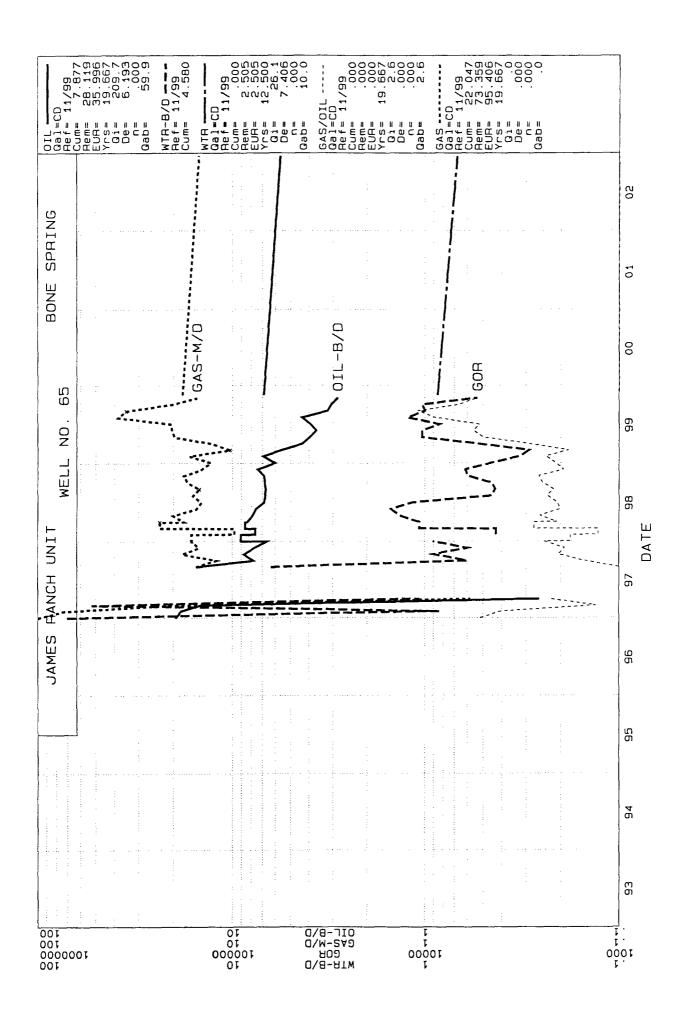
WELL			JAMES RANCH	HUNIT NO). 65	<u></u>	_FORMATION _		BONE S	PRING
LOCATION		В	UNIT,	330	FEET FROM	N	LINE &	2310	_ FEET FROM	<u> </u>
SECTION	6	TOWNSHIP	23\$,	RANGE	31E	, COUNTY		EDDY		NEW MEXICO
SPUD DATE		7/18/96	_ COMPLETIO	N DATE	11/	/27/96	_ INITIAL PRODU	CTION		11/27/96
PERFORATIO	NS	11,044-11,0	54'				,		·	
STIMULATIO	N:									
	ACID	350 GALS 1	5% HCL ACID	+ ADDITI	VES.				······································	
	FRACTU	IRE	67,998 GAL	S YF-140 D	, 279,820# 2	0/40 OTTAWA	SAND, & 61,035	5# SB ULTR	Α	
						·				
POTENTIAL		12/23/96 30) BOPD, 43 BW	PD, 52 MC	CFD.					
•		12/23/96 30 Attach Copy of							4 2	
•				of Comple	ted Well.)					
•				of Comple	ted Well.)	IC CALCULA	ATION			
•				of Comple	ted Well.)		<u> </u>		PERFORATED I	
•	of C-105.	Attach Copy of		of Comple	ted Well.)		<u> </u>		PERFORATED LY PRODUCTIV	
(Attach Copy o	of C-105.	Attach Copy of		of Comple	ted Well.)		<u> </u>			
(Attach Copy of Area (A) prora	of C-105.	Attach Copy of		of Comple	ted Well.)		<u> </u>			
Area (A) prora Porosity (por), Water saturation	of C-105. Ation unit s % n (Sw), %	Attach Copy of		40 13.0%	ted Well.)		<u> </u>			
(Attach Copy c	of C-105. tion unit s (n (Sw), % (h), ft.	Attach Copy of		40 13.0%	ted Well.)		<u> </u>			
Area (A) prora Porosity (por), Water saturation	of C-105. tion unit s (n (Sw), % (h), ft.	Attach Copy of		40 13.0% 63% 4.5	ted Well.)		<u> </u>			
Area (A) prora Porosity (por), Water saturation Net Thickness (Temperature (T	of C-105. wition unit s n (Sw), % (h), ft. r), Fahren ressure (P)	Attach Copy of		40 13.0% 63% 4.5	ted Well.)		<u> </u>			

Commercial Determination Page #1 2/10/00

PERFORMANCE DATA

		 			
(If sufficient history exists,	attach plot of oil production ra	te v time.)			
CUMULATIVE PRODUCT	TION TO	11/1/99	7,877	BBLS	
INITIAL RATE (qi)	_	2	10	_	
ECONOMIC LIMIT (ql)	_		50	_	
DECLINE RATE, dy	_	6.1	9%	_	
REMAINING OIL (Q) =	_	26,	923	_	
ULTIMATE RECOVERAB	LE OIL _	34,	800	an-re-	
(Attach plat showing prora	tion unit and participating area.)			
		ECO	NOMIC		
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	600	18,000	2,500	15,400	
2	2,400	52,700	18,200	32,600	
3	2,900	44,300	17,600	22,800	
4	1,900	44,100	17,600	20,500	
5	2,200	59,400	18,700	28,500	
6	2,300	51,800	18,200	21,300	
7	2,100	45,800	17,700	16,100	
8	2,000	41,200	17,400	12,300	
9	1,900	38,500	17,200	10,000	
10	1,800	36,200	17,000	8,100	
REMAINDER	14 900	306,600	206 200	28.300	

WELL IS NOT COMMERCIAL



JRU # 65 BONE SPRING PREPARED BY: KENT ADAMS

DATE : 02/07/00
TIME : 13:42:16
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 45

SCHEDULE UNTIL PROCEDURE ULTIMATE LAST SFF. DECL. INIT. RATE				6/19		. 00	FLAT	LIFE	TO	ью	ש	. 0000	761 OWN/ORR
STREET 11/99	٠.	.125		6/19 6/19		.00	FLAT FLAT	LIFE	TO	96 96	ם		
Schedul Sche				6/19		. 00	FLAT	LIFE	TO	opo	ם	. 0000	
STARET 11/99		.125		6/19		. 00	FLAT	LIFE	TO	*	ט	12.5000	720 LSE/RIC
STRART 11/99 OLIL 209.70 X B/M 29.12 IMU EXX 9.00 LLIN 71.14 2.596 6/19 6.19 210. GAS/OLI 2.6.1 2.6.1 M/B 01/2097 AD LLN 71.14 2.595 6/19 6.19 210. FIRT 12/96	1.0	1.000		6/19		. 00	FLAT	LIFE	To	-	ט	100.0000	
SCHEDULLING RATES SCHEDULE DUTIL PROCEDURE ULTIMATE LAST REF. DEC. MINT. RATE PINAL	1.0	1.000		6/19		.00	FLAT	LIFE	TO	æ	D	100.0000	
SCHEDULLING RATES SCHEDULE DWTIL PROCEDURE LAST EFF. DECL. INIT. RATE PINAL STREET 11/99	18.1 2.5	910 130		6/19 6/19		. 00	PC DQ	LIFE	TO		910 130	9100 1300	
SCHEDULLING RATES SCHEDULE DWILL PROCEDURE DUTINATE LAST REF. DECL. INIT. RATE FINAL PRINCE	. 0	. 002		6/19		. 00	P	LIFE	TO	*	×	.17	
SCHEDULING RATES SCHEDULE UNTIL PROCEDURE ULTIMATE LAST EFF. DECL. INIT. RATE FINAL START 11/99 OL. OAS/OIL 26.10 X B/M 28.12 INU EXP OAL/OO7 AD LIN TIME 12/96 FRI/OIL 16.8800 X \$/B 1/95 MAD PC 20.74 X \$/B 1/200 AD PRI/OIL 18.13 X \$/B 1/200 AD PRI/OIL 18.13 X \$/B 1/200 AD PRI/OIL 18.13 X \$/B 1/200 AD PRI/OIL 18.13 X \$/B 1/200 AD PRI/OIL 18.13 X \$/B 1/200 AD PC 20.67 2		.071 .079		6/19		. 00	D.d.	TIFE	TO	م به می	××	7.08 7.93	
SCHEDULING RATES SCHEDULE DATIL PROCEDURE ULTIMATE LAST EFF. DECL. INIT. RATE PINA START 11/99 OLL GAS/OLL 2.61 M/B 01/2097 AD LIN TIME 12/96 PRI/OLL 16.8800 PRI/OLL 18.39 X \$/B 1/95 AD PRI/OLL 20.67 X \$/B 1/2001 AD PRI/OLL 20.67 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 AD PRI/OLL 18.300 X \$/B 1/2001 AD PRI/OLL 18.300 X \$/B 18.300 X	1190.00	1190.000		6/19		OPC	SCH	BAIT	TO	\$/M	×	1190.00	544 OPC/T
SCHEDULING RATES SCHEDULE DATIL PROCEDURE ULTIMATE LAST EFF. DECL. INIT. RATE FINAL START 11/99 OLL 209.70 X B/M 28.12 IMU EXP 6.19 35.996 6/19 21.0 26.10 X B/M 2.51 IMU EXP 7.41 2.505 4/12 7.41 26. START 12/96 PRI/OIL 16.8800 X \$/B 1/95 PRI/OIL 18.39 X \$/B 1/95 PRI/OIL 19.25 X \$/B 1/95 PRI/OIL 19.26 X \$/B 1/2001 AD PC 20.74 20.74 20.74 20.74 20.75 19.25 X \$/B 1/2001 AD PC 20.00 12/96 18.19 AD PC 20.00 12/96 18.19 AD PC 20.00 12/96 18.19 AD PC 20.00 12/96 18.19 AD PC 20.00 12/96 18.19 AD PC 20.00 12/96 18.19 AD PC 20.00 12/96 18.19 AD PC 20.00 12/96 18.19 AD PC 20.00 12/96 18.19 18.19 AD PC 20.00 12/96 18.19 18.19 AD PC 20.00 12/96 18.19 18.19 AD PC 20.00 12/96 18.19 18.19 AD PC 20.00 12/96 18.19 18.19 AD PC 20.00 12/96 18.19 18.19 AD PC 20.00 12/96 18.19 18.19 AD PC 20.00 12/96 18.19 18.19 AD PC 20.00 12/96 18.19 18.19 AD PC 20.00 12/96 18.19 18.19 AD PC 20.00 12/96 18.19 18.19 AD PC 20.00 12/96 18.19 18.19 AD PC 20.00 12/96 20.10 20.57 20.5													
SCHEDULING RATES DATES POIL SCHEDULING RATES SCHOOL RATES SCHOOL RATES SCHOOL RATES SCHOOL RATES SCHOOL RATES SCHOOL RATES SCHOOL RATES SCHOOL RA	2.5	2.580		12/01 6/19		. 00	PG Od	AD LIFE	1/2002 TO	%/% M/\$	××	2.58 2.57	539 " 855
SCHEDULING RATES DECL INTT. RATE FINAL PROCEBURE ULTINATE 12/96 210. 20.70 × B/M 28.12 IMU EXP 7.41 2.595 6/19 6.19 210. EXP 7.41 2.595 4/12 7.41 25. EXP 7.41 2.595 4/12 7.41 25. EXP 7.41 2.595 4/12 7.41 25. EXP 7.41 2.595 4/12 7.41 25. EXP 8.41 2.595 4/12 7.41 25. EXP 8.41 2.595 4/12 7.41 25. EXP 8.41 2.595 4/12 7.41 25. EXP 8.41 2.595 4/12 7.41 25. EXP 8.41 2.595 4/12 7.41 25. EXP 8.41 2.595 4/12 7.41 25. EXP 8.41 2.595 4/12 7.41 25. EXP 8.41 2.595 ADD PC00 6/19 18.390 EXP 9.41 2.595 4/12 7.41 25. EXP 8.41 2.595 ADD PC00 12/97 22.260 EXP 8.41 2.595 ADD PC00 12/98 19.265 EXP 8.41 2.595 ADD PC00 12/96 2.590 EXP 8.41 2.595 ADD PC00 12/99 EXP 8.41 2.595 ADD PC00 12/99 EXP 8.41 2.595 ADD PC00 1	2.6	2.600		12/00		. 00	n i	AD T	1/2001	N/S	×	2.60	
SCHEDULING RATES SCHEDULING R	2.1 2.1	2.110		12/99			ם ה	8 8	1/2000	S/X	× >	2.27	
SCHEDULLING RATES RATES SCHEDULLING RATES SCHEDULLING RATES RATES RATES SCHEDULLING RATES SCHEDULLING RATES RATES RATES SCHEDULLING RATES RATES RATES SCHEDULLING RATES RATES RATES SCHEDULLING RATES RATES RATES RATES RATES SCHEDULLING RATES RATES	2.5	2.590		12/97		. 00	S S	AD	1/98	× ×	< ×	2.59	
SCHEDULING RATES LAST EFF. DECL. INIT. RATE FINAL F EXP. 11/99 CHANCE PRINT RATE FINAL F RATE F RATE F	2.6	2.610		12/96		. 00	PC	AD ;	1/97	S/M	×	2.61	
SCHEDULING RATES SCHEDULE UNTIL PROCEDURE ULTINATE LAST EFF DECL INIT. RATE FINAL		1.890		6/19		. 00	0 C	YY/MM	1/95	X X	× ×	1.8900	
START 11/99 OIL 209.70 X B/M 28.12 IMU EXP 6.19 35.996 6/19 6.19 210. WTR 26.10 X S/B 1/95 MM/YY PC .00 6/19 18.390 EPRI/OIL 16.8800 X \$/B 1/97 AD PC .00 6/19 22.260 X \$/B 1/98 AD PC .00 12/97 20.740 20.	F 0 . F							į	;		1	1	į
SCHEDULING RATES LAST EFF. DECL INIT. RATE FINAL F 12.96	18.1	001.01		6/19		. 00	DG.	LIFE	To	8/B	×	18.13	
START 11/99 OIL 209.70 X B/M 28.12 IMU EXP 6.19 35.996 6/19 6.19 210. START 12/96 PRI/OIL 16.8800 X \$/B 1/95 MM/YY PC .00 6/19 16.880 X \$/B 1/96 AD PC .00 6/19 22.260 22.2740 20.4430 14.43 X \$/B 1/2001 AD PC .00 12/96 24.940	19.2	19,200		12/02		. 00	S C	8 E	1/2003	y √ 2	* *	18.20	
SCHEDULING RATES SCHEDULE UNTIL PROCEDURE ULTIMATE LAST EFF. DECL INIT. RATE FINAL FIN	20.6	20.670		12/01		. 00	S S	AD	1/2002	\$/B	×	20.67	
M SCHEDULING RATES SCHEDULE UNTIL PROCEDURE ULTIMATE LAST EFF. DECL INIT. RATE FINAL F. START 11/99 OIL 209.70 X B/M 28.12 IMU EXP 6.19 35.996 6/19 6.19 210. GAS/OIL 2.61 Z.61 M/B 01/2097 AD LIN TIME 12/96 WTR 26.10 X B/M 2.51 IMU EXP 7.41 2.505 4/12 7.41 26. START 12/96 PRI/OIL 16.8800 X \$/B 1/95 MM/YY PC .00 6/19 18.390 X \$/B 1/96 AD PC .00 6/19 22.260 22.74 X \$/B 1/98 AD PC .00 12/97 20.740 20.740 20.740 14.43 X \$/B 1/99 AD PC .00 12/99 19.250	24.9	24.940		12/00		.00	Эq	ДD	1/2001	\$/B	×	24.94	
M SCHEDULING RATES SCHEDULE UNTIL PROCEDURE ULTIMATE LAST EFF. DECL INIT. RATE FINAL F START 11/99 OIL 209.70 X B/M 28.12 IMU EXP 6.19 35.996 6/19 6.19 210. GAS/OIL 2.61 2.61 M/B 01/2097 AD LIN TIME 12/96 WTR 26.10 X B/M 2.51 IMU EXP 7.41 2.505 4/12 7.41 26. START 12/96 PRI/OIL 16.8800 X \$/B 1/95 MM/YY PC .00 6/19 18.390	19.2	19.250		12/99		. 00	Da P.	8	1/2000	\$/B	×÷	19.25	
M SCHEDULING RATES SCHEDULE UNTIL PROCEDURE ULTIMATE LAST EFF. DECL INIT. RATE FINAL F START 11/99 OIL 209.70 X B/M 28.12 IMU EXP 6.19 35.996 6/19 6.19 210. GAS/OIL 2.61 2.61 M/B 01/2097 AD LIN TIME 12/96 WTR 26.10 X B/M 2.51 IMU EXP 7.41 2.505 4/12 7.41 26. START 12/96 PRI/OIL 16.8800 X \$/B 1/95 MM/YY PC .00 6/19 16.880 18.390 X \$/B 1/96 AD PC .00 6/19 18.390 22.260 22.	20.7	20.740		12/98		. 00	ָר ל מי	ě	96/L	n 0/2	< >	20.7±	
M SCHEDULING RATES SCHEDULE UNTIL PROCEDURE ULTIMATE LAST ERF. DECL INIT. RATE START 11/99 OIL 209.70 X B/M 28.12 IMU EXP 6.19 35.996 6/19 6.19 210. GAS/OIL 2.61 M/B 01/2097 AD LIN TIME 12/96 WTR 26.10 X B/M 2.51 IMU EXP 7.41 2.505 4/12 7.41 26. START 12/96 PRI/OIL 16.8800 X \$/B 1/95 MM/YY PC .00 6/19 16.880 " 18.390 X \$/B 1/96 AD PC .00 6/19 18.390	22.2	22.260		6/19		. 00	S S	d d	1/97	\$/B	* ×	22.26	
M SCHEDULING RATES SCHEDULE UNTIL PROCEDURE ULTIMATE LAST EFF. DECL INIT. RATE START 11/99 OIL 209.70 X B/M 28.12 IMU EXP 6.19 35.996 6/19 6.19 210. GAS/OIL 2.61 M/B 01/2097 AD LIN TIME 12/96 WTR 26.10 X B/M 2.51 IMU EXP 7.41 2.505 4/12 7.41 26. START 12/96 PRI/OIL 16.8800 X \$/B 1/95 MM/YY PC .00 6/19 16.880		18.390		6/19		.00	DQ	AD	1/96	\$/B	×	18.39	
M SCHEDULING RATES SCHEDULE UNTIL PROCEDURE ULTIMATE LAST EFF. DECL INIT. RATE START 11/99 OIL 209.70 X B/M 28.12 IMU EXP 6.19 35.996 6/19 6.19 210. GAS/OIL 2.61 2.61 M/B 01/2097 AD LIN TIME 12/96 WTR 26.10 X B/M 2.51 IMU EXP 7.41 2.505 4/12 7.41 26.		16.880		6/19		. 00	PC	XX/WW	1/95		×	16.8800	
START 11/99 OIL 209.70 X B/M 28.12 IMU EXP 6.19 35.996 6/19 6.19 210. GAS/OIL 2.61 2.61 M/B 01/2097 AD LIN TIME 12/96 WTR 26.10 X B/M 2.51 IMU EXP 7.41 2.505 4/12 7.41 26.												12/96	
M SCHEDULING RATES SCHEDULE UNTIL PROCEDURE ULTIMATE LAST EFF. DECL INIT. RATE START 11/99 OIL 209.70 X B/M 28.12 IMU EXP 6.19 35.996 6/19 6.19 210. GAS/OIL 2.61 2.61 M/B 01/2097 AD LIN TIME 12/96	1	26.		4/12	2.505	7.41	EXP	I IMU	2.5	в/м	×	26.10	
SCHEDULING RATES SCHEDULE UNTIL PROCEDURE ULTIMATE LAST EFF. DECL INIT. RATE START 11/99 OIL 209.70 X B/M 28.12 IMU EXP 6.19 35.996 6/19 6.19 210.				12/96		TIME	LIN	7 AD	01/209	_		2.61	
SCHEDULING RATES SCHEDULE UNTIL PROCEDURE ULTIMATE LAST EFF. DECL INIT. RATE START 11/99	6	210.	•	6/19	35.996	6.19	EXP		28.1:	в/м	×	209.70	410 OIL
SCHEDULING RATES SCHEDULE UNTIL PROCEDURE ULTIMATE LAST EFF. DECL INIT. RATE												11/99	
	FINAL RA	INIT. RATE	DE	LAST		URE	PROCEDI	UNTIL	SCHEDULI		IG RATE	SCHEDULIN	ITEM
					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	: : : : : : : : : : : : : : : : : : : :				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

		 g	OTHER QUAL : CD	отн	.*600 DISC. FREQUENCY: 365.	1*1 38*12 1*600 DISC. D OWNER	1*1 38 10.0 CD	TIME FRAMES : PW %-AGE : PROD QUAL :	TIONS 12/96 12/96 12/96	PROJECT ASSUMPTIONS BASE DATE : 12/9 P.W. DATE : 12/9 REPORT DATE : 12/9
					CUML, MB)5	22.05	CUMG, MMF	NO 7.88	201 LOSS 1 205 CUMO, MB
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	! ! ! ! !	1 1 1 1 1	ITEM	i	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ITEM	METERS	RESERVE PARAMETERS
825.0	825.0 -33.0		12/96 6/19	825.000 -33.000		6 AD	12/96 TO	495.00 M\$G .00 M\$G	330.00 -33.00	800 DRILL 801 SALVAGE
ESC. T&I&R	£ 70 ± 70 ±	RISK INV.	MONTH	TOTAL T&I	PROCEDURE		TIME	TANGIBLES & INTANGIBLES	TANGIBLES	INVESTMENT
			2/00 2/00 2/00	7.962 22.499 4.580				# #	P.OIL OIL # P.GAS GAS # P.WATER WTR	905 LOAD 910 LOAD 915 LOAD
FINAL RATE	DECL INIT. RATE	EFF. DECL	LAST	ULTIMATE	PROCEDURE	SCHEDULE UNTIL	SCHEDU	G RATES	SCHEDULING RATES	OVERLAYS

)

DATE : 02/07/00
TIME : 13:42:16
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 45

RESERVES AND ECONOMICS EFFECTIVE DATE: 12/96

PRESENT WORTH @ 10.00 \$ 31) NET INCOME 32) INVESTMENTS & RISK 33) BFIT NET 34) CUM BFIT NET	ECONOMICS, M\$	WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	OWNERSHIP 1) WORKING INTEREST, % 2) REVENUE INTEREST, %	PERIOD ENDING
15.4 825.0 -809.6 -809.6	18.0 1.3 .0 1.2 .0 .0 .0 .15.5 825.0	2.2	3.1 2.7 6.8 2.480	.6 .5 11.3 21.35	.0 825.0 .0 825.0	100.000	12/96
32.6 .0 32.6 -777.0	52.7 3.8 11.3 14.3 .0 .0 .0 .0 .0 .34.5	1.8 1.8	5.2 4.5 11.1 2.460	2.4 2.1 41.6 19.83		100.000	12/97
22.8 .0 22.8 -754.2	44.3 3.2 114.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	. 3	6.0 5.2 10.4 1.980	2.9 2.5 33.9 13.52		100.000	12/98
20.5 .0 20.5 -733.7	44.1 3.2 11.1 14.3 0 0 0 0 26.5	. 3	7.1 6.2 13.4 2.140	1.9 1.7 30.8 18.34		100.000:	12/99
28.5 .0 28.5 -705.2	59.4 4.3 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.000	6.3 5.5 13.6 2.470	2.2 1.9 45.8 24.03		100.000	12/00
21.3 .0 21.3 -683.9	51.8 3.8 3.8 14.3 .0 .0 .0 .0 .0 .0 .0 .0	. 000	5.9 5.2 12.7 2.450	2.3 2.0 39.1 19.76		100.000:	12/01
16.1 .0 16.1 -667.9	45.8 3.3 14.3 0.0 0.0 28.1	. 000	5.5 4.8 11.8 2.440	2.1 1.9 34.0 18.29		100.000	12/02
12.3 .0 12.3	41.2 3.0 .1 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.000	5.2 4.5 11.1 2.440	2.0 1.7 30.1 17.27			12/03
10.0 .0 10.0 -645.5	38.5 2.8 114.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	. 000	4.9 4.3 10.4 2.440	1.9 1.6 28.1 17.22			12/04
8.1 .0 8.1 -637.4	36.2 2.6 2.6 14.3 .0 .0 .0 .0 .0	. 000	4.6 9.8 2.440	1.8 1.5 26.4 17.22		0 0	12/05
187.6 825.0 -637.4 -637.4	432.0 31.5 .7 129.7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	. 4. 6 4. 6	53.8 47.1 111.0 2.358	20.0 17.5 321.0 18.38	.0 825.0 .0 825.0	.000	S TOT
28.3 -3.7 32.0 -605.3	306.6 22.4 23.3 183.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	. 000	38.8 33.9 82.7 2.440	14.9 13.0 223.8 17.22	-33.0 -33.0	100.000	
215.9 821.3 -605.3	738.6 53.9 1.2 313.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	4.6 4.6	92.5 81.0 193.7 2.392	34.8 30.5 544.9 17.89	.0 792.0 .0 792.0	100.000	21.9 YR TOTAL

DATE : 02/07/00
TIME : 13:42:16
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 45

AFTER TAX ECONOMICS

PRESENT WORTH @ 10.00 \$	20) REVENUE-SEV-WPT 16.7 21) - OPR. COSTS & ATX 1.2 22) + NPI OWNED - PAID .0 23) - F.I.T184.7 24) = A.F.I.T. 184.7 25) - LOAN REPAYMENT .0 26) - INTEREST PAID .0 27) = NET INCOME 184.7 28) - INVESTMENTS & RSK 825.0 29) = A.F.I.T. NET -640.3	S, MS TO INTR. TAX ET S & ATX - PAID INV. ION PD & CAP PD & CAP T T T	OF INVESTMEN	PERIOD ENDING 12/
	16.7 1.2 1.2 1.69.2 84.7 .0 .0 .84.7 .84.7			12/96
37.7 .0 .37.7	114.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	52.7 3.8 14.4 15.4 15.4 35.0 4		12/97
38.4 38.4 565.0	14.3 14.3 -18.3 45.0 .0 45.0 45.0	44.3 3.2 14.3 14.3 -52.2 -52.2 35.0		12/98
28.6 28.6 28.6	40.9 14.3 -10.4 37.0 .0 .0 37.0 37.0	- 29.8 35.0 10.0		EFFECT 12/99
28.4 .0 28.4 -508.1	55.1 14.4. .0 .0 .0 .0 .0 .0 .0 .0 .0	4 14 59	0	EFFECTIVE DATE: 12/96 2/99 12/00 12/01
20.4 .0 .20.4	14.4 1.5 1.5 2.2 32.2 32.2 32.2	51.8 3.8 2.9 4.2 1.0 1.0		12/96
16.4 .0 16.4	14.4 14.4 1.5 28.6 28.6 28.6 28.6	14.45.8 3.3.8 14.4.4 -1.4.4 -1.4.4 -1.5.0		12/02
13.4	25.8 25.8 25.8 25.8	41.2 3.0 14.3 .0 .5.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		12/03
. 44 8 . 5 5	35.7 14.3 3.2 18.2 18.2 18.2 18.2	38.5 2.8 2.8 2.0 14.3 9.1 9.1 9.1 9.1	0	12/04
5.3 .0 5.3	33.5 14.3 6.7 12.5 .0 12.5 12.5	36.2 2.6 2.6 2.6 2.6 2.6 3.5 2.0 3.5 2.0 3.5 2.0 3.5 2.0 3.5 2.0 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5		12/05
380.8 825.0 -444.2	400.5 130.4 130.4 -194.2 464.3 .0 .0 464.3 825.0 -360.7	432.0 31.5 130.4 130.4 495.0 495.0 -554.9 -554.9 35.0 -0 -194.2	LU VO 1	TOT
18.4 -3.7 -22.1	284.2 183.7 35.1 65.3 .0 65.3 -33.0	35 35 00 00 83 25 35 35 35 35 35 35 35 35 35 35 35 35 35	-33.0	AFTER
399.2 821.3 -422.1	684.6 314.1 0 -159.1 529.6 .0 529.6 792.0	738.6 53.9 314.1 314.1 495.0 495.0 330.0 -454.5 35.0	495.0	21.9 YR TOTAL

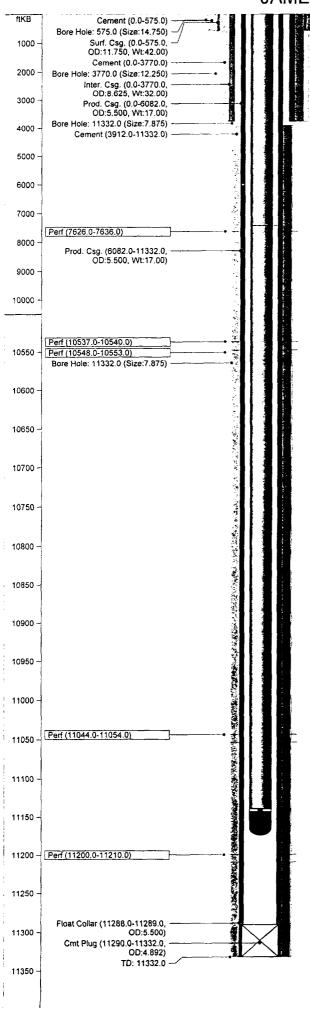
JRU # 65 BONE SPRING PREPARED BY: KENT ADAMS

DATE : 02/07/00
TIME : 13:42:16
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 45

ECONOMIC INDICATORS

AS OF DATE: 12/96

DISCOUNTED NET/INVEST26 .49	UNDISCOUNTED NET/INVEST47 .67	DISCOUNTED PAYOUT, YRS. 21.92 21.92	UNDISCOUNTED PAYOUT, YRS. 21.92 21.92	RATE OF RETURN, PCT0 .0	-777.078 -605.173 -780.535 -610.316	60760.059 -581.893 -60 70767.290 -591.440 -61 80772.779 -599.007 -62	-714,127 -528,100 -735,937 -552,483 -750,161 -569,436	-582.218 -401.313 -605.336 -422.078 -677.390 -490.094	-421.504 -262.428 -476.417 -309.251 -537.819 -362.233 -554.162 -376.519	PRESENT WORTH PROFILE AND RATE-OF-RETURN VS. BONUS TABLE	WORTH WORTH BON M\$ M\$ M\$
					-628.251	-608.849 -615.297 -620.453	573. 589.	-498.636 -510.780 -550.477	-403.735 -439.644 -474.945 -483.775		BONUS M\$



1444-0-									
JAMES RAN				101					011
API No.			27995	Sta			 		OIL
TD PBTD			0 ftKB 0 ftKB	⊏uć	gineer		<u> </u>	KA	M
Operator	 	BEF		- 000	mit		;		
Well No.		6		Spu				7/18	IOC
ID Code			<u> </u>	RR	<u> </u>			8/4	
Field	10	SME	DANOS		mpleti	on	!	9/2	
Author		R/		l as	t Act.	UII	·	3121	30
Date Updated	 -	1/27			andon	ed			
Comments			y Enron	, , , , ,	1114011	<u>- u</u>			
Location			7						
Township			023	Tor	Latit	ude			0
TOWNSIND			7023		Long				0
Range		F	031		NS E			330	0.0 ft N
rango			.001		EW				0.0 ft E
Section			6		tom L				0
Unit Ltr.			B	Bot	tom L	ongite	ide		0
State		New	Mexico	Btm	NS [Distan	ice	0	.O ft
County			ddy	Btm	EW	Distar	1CE		O ft
Elevations						<u> </u>			
KB		33	31.0 ft	Cas	s Fing				.0 ft
Grd	-		18.0 ft		Head				0.0 ft
KB-Grd	- 		3.0 ft	1 uL	, i ical				
Casing Strin	n - 9:			n					
Item		лпас Гор		y Jnts	ID	i	Wt	Grd	Thd
(in)			(ftKB)	VIII.2	טו	İ	***	Jiu	1110
11 3/4 in Surf.		0.0	575.0	15	11 (084	42.00	H_AC	- STC
Csg.		5.0	373.0	15	11.0		-72.UU	1 1-40	, 310
Casing Strin	a - in	torm	ediate C	aeine					
tem	A - III	тор		Jnts	ID		Wt	Grd	Thd
	12	·ND/	(ftKB)	-IIIG	iU	ļ	***	Gra	ina
(in) 8 5/8 in Inter.	11		3770.0		7 /	921	32.00	J-55	STC
	ļ	0.0	3770.0		7.8	321	\$2.00	1-00	510
Csg.	- D-		4i 0-						
Casing Strin	g - Pr	oauc					1874		
Item		Гор		Jnts	ID		Wt	Grd	Thd
(in)	1 (1		(ftKB)			-	17 27		
5 1/2 in Prod.	į	0.0	6082.0	144	4.8	392	17.00	P-110) LTC
Csg.				i i		4			
			<u> </u>				: 		i.
5 1/2 in Prod.	60	82.0	1332.0	121	4.8	392	17.00	CF-9	i.
5 1/2 in Prod. Csg.	i			121			:	CF-9:	i.
5 1/2 in Prod. Csg. 5 1/2 in Float	i		1332.0	121		392	17.00	CF-9:	i.
5 1/2 in Prod. Csg. 5 1/2 in Float Collar	12			121			:	CF-9:	i.
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem	12 ent	288.0	1289.0		0.0		0.00		5 LTC
5 1/2 in Prod. Csg. 5 1/2 in Float Collar	12 ent	288.0	1289.0	Amou	0.0		0.00	CF-9	5 LTC
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Ceme Casing Str	ent ing	288.0	1289.0	Amoui (sx)	0.0		0.00		5 LTC
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Ceme Casing Str Surface Casing	ent ing	288.0	1289.0 Гор tKB)	Amoui (sx)	0.0 nt		0.00		5 LTC
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Ceme Casing Str Surface Casing Intermediate C	ent ing asing	288.0 (f	1289.0 Fop // tKB) 0.0 0.0	Amoui (sx)	0.0 nt 860	000	0.00 Com	ment	5 LTC
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Str Surface Casing Intermediate C. Production Cas	ent ing asing	288.0 (f	1289.0 Fop // tKB) 0.0 0.0 3912.0	Amour (sx) 3 9	0.0 nt 860	000	0.00	ment	5 LTC
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Ceme Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin	ent ing asing g - Pr	288.0 (f	1289.0 (Fop / KKB) 0.0 0.0 3912.0 y Tubin	Amount (sx) 3 9 17 g	0.0 nt 360 975 (25 T)	OC by	O.00 Com	nment	5 LTC
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item	ent ing asing sing g - Pr	288.0 (f imar	Top // tKB) 0.0 0.0 3912.0 y Tubin, Btm	Amour (sx) 3 9	0.0 nt	OC by	0.00 Com	ment	5 LTC
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in)	ent ing asing sing g - Pr	(fimar Top	1289.0 rop / tKB) 0.0 0.0 3912.0 y Tubing Btm (ftKB)	Amoul (sx) 3 9 17 g	0.0 nt 360 775 725 T	OC by	0.00 Com y Temp	oment o. Sur.	5 LTC
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg	ent ing asing g - Pr	(fimar Top	1289.0 (tKB) 0.0 0.0 3912.0 y Tubiny (tKB) 7421.0	Amoul (sx) 3 9 17 g Jnts	0.0 nt 360 975 725 T	OC by ID in)	O.00 Com y Temp Wt 6.50	o. Sur.	5 LTC s d Tho
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 4 57/64 in TAC	ent ing) asing g - Pr	(finar Top ftKB) 0.0	Top / tKB) 0.0 0.0 3912.0 y Tubing (ftKB) 7421.0 7424.0	Amoul (sx) 3 9 17 g Jnts	0.0 nt 360 75 725 T 3 4 4 4 4 4 4 4 4 4	OC by ID in) 2.441 0.000	0.00 Com y Temp Wt 6.56	o. Sur.	s d The
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg.	ent ing asing g - Pr	(finar Top ftKB) 0.0 (421.0	Top / tKB) 0.0 0.0 3912.0 y Tubing (ftKB) 7421.0 7424.0 111139.0	Amoul (sx) 3 9 17 g Jnts	0.0 nt 360 775 725 To 725 To 725 725 735	OC by ID in) 2.441 2.000 2.441	0.00 Com y Temp Wt 6.50 0.00 6.50	Gr N-8	s d The
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem. Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN	ent ing asing g - Pr	(finar Top (tKB) 0.0 (421.0 (424.0 (139.0	1289.0 Top tKB) 0.0 0.0 3912.0 y Tubin, ftKB) 7421.0 0 7424.0 11139.0 11140.0	Amouli (sx) 3 9 17 g Jnts	0.0 nt 360 975 725 Tr	OC by ID in) 2.441 0.000 2.441 0.000	0.00 Com y Temp Wt 6.50 0.00 6.50 0.00	Gr N-8	s d The
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cemicating String Casing String Intermediate Collar Casing String Intermediate Collar Casing String Intermediate Collar Casing String Intermediate Collar Casing String Intermediate Collar Casing String Intermediate Collar Casing String Intermediate Collar Casing String Intermediate Collar Casing String Intermediate Collar Casing String Intermediate Collar Casing String Intermediate Collar Casing String Intermediate Collar Casing Casing Intermediate Collar Casing Casing Intermediate Collar Casing Casing Casing Intermediate Collar Casing	ent ing sasing g - Pr (() 7	(f imar Top ftKB) 0.0 (421.0 (424.0 139.0 140.0	Top / tKB) 0.0 0.0 3912.0 y Tubing Btm (ftKB) 7421.0 7424.0 11139.0 11143.0	Amount (sx) 3 9 17 g Jnts 11	0.0 nt 360 775 725 7 27 27 27 27 2	OC by ID in) 2.441 0.000 2.441 0.000	0.00 Com y Temp Wt 6.50 0.00 6.50 0.00	Gr N-8	s d The
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Ceme Casing Ceme Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in Mud	ent ing sasing g - Pr (() 7	(f imar Top ftKB) 0.0 (421.0 (424.0 139.0 140.0	1289.0 Top tKB) 0.0 0.0 3912.0 y Tubin, ftKB) 7421.0 0 7424.0 11139.0 11140.0	Amount (sx) 3 9 17 g Jnts 11	0.0 nt 360 775 725 7 27 27 27 27 2	OC by ID in) 2.441 0.000 2.441 0.000	0.00 Com y Temp Wt 6.50 0.00 6.50 0.00	Gr N-8	s d The
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Ceme Casing Ceme Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in Perf Su 2 7/8 in Mud Anchor	12 ent ing asing g - Pr (() 7 7 11 ub 111	(f imar Top ftKB) (421.0 143.0	1289.0 fop / tKB) 0.0 0.0 3912.0 y Tubing (ftKB) 7421.0 0 7424.0 111139.0 111140.0 111143.0 11175.0	Amoul (sx) 3 9 17 9 Jints 0 23	0.0 nt	OC by ID in) 2.441 0.000 2.441 0.000	0.00 Com y Temp Wt 6.50 0.00 6.50 0.00	Gr N-8	s d The
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Ceme Casing Ceme Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in Perf Su 2 7/8 in Mud Anchor Other (plugs	12 ent ing asing g - Pr (() 7 7 11 ub 111	(f imar Top ftKB) (421.0 143.0	1289.0 fop / tKB) 0.0 0.0 3912.0 y Tubing (ftKB) 7421.0 0 7424.0 111139.0 11140.0 11145.0 11175.0	Amouli (sx) 3 9 17 9 Jints 0 23	0.0 nt	OC by ID in) 2.441 0.000 2.441 0.000	0.00 Com y Temp Wt 6.50 0.00 6.50 0.00	Gr Gr N-8	5 LTC s d The 80 8rd 8rd 8rd
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cemerate Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in Mud Anchor	12 ent ing asing g - Pr (() 7 7 11 ub 111	(f imar Top ftKB) (421.0 143.0	1289.0 fop / tKB) 0.0 0.0 3912.0 y Tubing (ftKB) 7421.0 0 7424.0 111139.0 111140.0 111143.0 11175.0	Amouli (sx) 3 9 17 9 Jints 0 23	0.0 nt	OC by ID in) 2.441 0.000 2.441 0.000	0.00 Com y Temp Wt 6.50 0.00 6.50 0.00	D. Sur.	5 LTC s d The 8rd 8rd 8rd 8rd
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in SN. 2 7/8 in Perf St. 2 7/8 in Perf St. 2 7/8 in Mud Anchor Other (plugs Date	ent ing asing g - Pr 7 7 7 11 ub 111 111, equi	(f (f (f (f (f (f (f (f (421.0 (421.0 (424.0 (143.0	1289.0 fop / tKB) 0.0 0.0 3912.0 y Tubing (ftKB) 7421.0 0 7424.0 111139.0 11140.0 11145.0 11175.0	Amouli (sx) 3 9 17 9 Jints 0 23	0.0 nt	OC by ID in) 2.441 0.000 2.441 0.000	0.00 Com y Temp Wt 6.50 0.00 0.00 0.00	Gr N-E	5 LTC s d The 8rd 8rd 8rd 8rd
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in Mud Anchor Other (plugs Date 8/3/96	ent ing asing g - Pr 7 7 7 11 11 11 , equi	(f (f (f (f (f (f (f (f (421.0 (421.0 (424.0 (143.0	1289.0 fop / tKB) 0.0 0.0 3912.0 y Tubing (ftKB) 7421.0 0 7424.0 111139.0 11140.0 11145.0 11175.0	Amouli (sx) 3 9 17 9 Jints 0 23	0.0 nt	OC by ID in) 2.441 0.000 2.441 0.000	0.00 Com y Temp Wt 6.50 0.00 0.00 0.00	Gr N-E	5 LTC s d The 8rd 8rd 8rd 8rd
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in Mud Anchor Other (plugs Date 8/3/96	ent ing asing g - Pr 7 7 7 11 11 11 , equi	(f (f (f (f (f (f (f (f (421.0 (421.0 (424.0 (143.0	1289.0 fop / tKB) 0.0 0.0 3912.0 y Tubing (ftKB) 7421.0 0 7424.0 111139.0 11140.0 11145.0 11175.0	Amouli (sx) 3 9 17 9 Jints 0 23	0.0 nt	OCC by in) 2.441 0.000 0.000 0.000	0.00 Com y Temp Wt 6.50 0.00 6.50 0.00 1129	Gr Gr N-E	5 LTC s d Tho 30 8rd 8rd 80 8rd
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in Mud Anchor Other (plugs Date 8/3/96	ent ing asing g - Pr 7 7 7 11 11 11 , equi	(f (f (f (f (f (f (f (f (421.0 (421.0 (424.0 (143.0	1289.0 fop / tKB) 0.0 0.0 3912.0 y Tubing (ftKB) 7421.0 0 7424.0 111139.0 11140.0 11145.0 11175.0	Amouli (sx) 3 9 17 9 Jints 0 23	0.0 nt	OCC by in) 2.441 0.000 0.000 0.000	0.00 Com y Temp Wt 6.50 0.00 0.00 0.00	Gr Gr N-E	5 LTC s d The 8rd 8rd 8rd 8rd
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in Mud Anchor Other (plugs Date 8/3/96 Perforations Date	ent ing asing g - Pr 7 7 7 11 11 11 , equi	(f (f (f (f (f (f (f (f (f (f (f (f (f (1289.0 Top tKB) 0.0 0.0 3912.0 y Tubin (ftKB) 7421.0 7424.0 11139.0 11143.0 11175.0 tc.) - Plu Item	Amouii (sx) 3 9 17 9 Jnts 23 11 0 1 11 0 1 1 1 1 1 1 1 1 1 1 1 1 1	0.0 nt	OCC by ID in) 2.441 0.000 0.000 0.000 SS	0.00 Com Wt 6.50 0.00 6.50 0.00 1129 hots (/ft)	Gr Gr N-E	5 LTC s d Tho 30 8rd 8rd 80 8rd
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cemerators Casing Cemerators Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in Perf St 2 7/8 in Perf St 2 7/8 in Mud Anchor Other (plugs Date 8/3/96 Perforations Date	ent ing asing g - Pr 7 7 7 11 11 11 , equi	(f (f (f (f) (f) (421.0 (421.0 (143.0 (ip., e	1289.0 Fop	Amouli (sx) 3 9 17 9 Jints 0 23 11	0.0 nt	OCC by ID in) 2.441 0.000 0.000 0.000 SS	0.00 Com y Temp Wt 6.50 0.00 0.00 1122 hots (/ft)		5 LTC s d Tho 30 8rd 8rd 80 8rd
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cemerator Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in Mud Anchor Other (plugs Date 8/3/96 Perforations Date 8/26/96 11/22/96	ent ing asing g - Pr 7 7 7 11 11 11 , equi	(f (f (f (f (421.0 (421.0 (143.0 (ip., e	1289.0 Fop	Amouli (sx) 3 9 17 9 Jints 0 23 0 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 nt	OCC by ID in) 2.441 0.000 0.000 0.000 SS	0.00 Com y Temp Wt 6.56 0.00 6.56 0.00 0.00 1129 hots (/ft) 2.	Sur. Gr N-8	5 LTC s d Tho 30 8rd 8rd 80 8rd
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Ceme Casing Ceme Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in Mud Anchor Other (plugs Date 8/3/96 Perforations Date 8/26/96 11/22/96 2/25/97	ent ing asing g - Pr 7 7 7 11 11 11 , equi	(f (f (f (f (f (f (f (f (f (f (f (f (f (1289.0 Fop	Amouli (sx) 3 9 17 g Jints 0 23 0 11 0 0 054.0 054.0	0.00 nt	OCC by ID in) 2.441 0.000 0.000 0.000 SS	0.00 Com y Temp Wt 6.50 0.00 6.50 0.00 1129 hots (/ft) 2.2.2	Gr	5 LTC s d Tho 30 8rd 8rd 80 8rd
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in Perf St 2 7/8 in Perf St 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in SN 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 3 1/8 in Perf St 4 1/8 1/8 1/8 1/8 1/8 1/8 1/8 1/8 1/8 1/8	ent ing asing g - Pr 7 7 7 11 11 11 , equi	(f (f (f (f (f (f (f (f (f (f (f (f (f (1289.0 Fop	Amouli (sx) 3 9 17 g Jints 0 23 0 11 0 0 11 0 0 154.0 0 1540.0	0.00 nt	OCC by ID in) 2.441 0.000 0.000 0.000 SS	0.00 Com y Temp Wt 6.50 0.00 6.50 0.00 1129 hots (/ft) 2.2 2.2	Sur. Gr N-8	5 LTC s d Tho 30 8rd 8rd 80 8rd
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in Perf St 2 7/8 in Perf St 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in SN 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 3 1/9 1/9 1/9 1/9 1/9 1/9 1/9 1/9 1/9 1/9	ent ing asing g - Pr 7 7 11 11 11 Cmt F	(f (f (f (f (f (f (f (f (f (f (f (f (f (1289.0 Fop (tKB) 0.0 3912.0 y Tubing (ftKB) 7421.0 7424.0 11139.0 11143.0 11143.0 11175.0 tc.) - Plu Item Int 200.0 - 11 344.0 - 11 344.0 - 11 348.0 - 10 326.0 - 76	Amouli (sx) 3 9 17 g Jints 0 23 0 11 0 0 11 0 0 154.0 0 1540.0	0.00 nt	OCC by ID in) 2.441 0.000 0.000 0.000 SS	0.00 Com y Temp Wt 6.50 0.00 6.50 0.00 1129 hots (/ft) 2.2.2	Sur. Gr N-8	5 LTC s d Tho 30 8rd 8rd 80 8rd
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in Perf St 2 7/8 in Perf St 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in SN 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 3 1/9 1/9 1/9 1/9 1/9 1/9 1/9 1/9 1/9 1/9	ent ing asing g - Pr 7 7 11 11 11 Cmt F	(f (f (f (f (f (f (f (f (f (f (f (f (f (1289.0 Fop (tKB) 0.0 3912.0 y Tubing (ftKB) 7421.0 7424.0 11139.0 11143.0 11143.0 11175.0 tc.) - Plu Item Int 200.0 - 11 344.0 - 11 344.0 - 11 348.0 - 10 326.0 - 76	Amouli (sx) 3 9 17 g Jints 0 23 0 11 0 0 11 0 0 154.0 0 1540.0	0.0 nt	OCC by ID in) 2.4411 0.000 0.000 0.0000 SS (0.00 Com y Temp Wt 6.50 0.00 0.00 0.00 1122 hots (/ft) 2.2 2.2	Sur. Gr N-& Sur. Sur.	5 LTC s d Tho 30 8rd 8rd 80 8rd
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem Casing Cem Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in Perf St 2 7/8 in Perf St 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in SN 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 2 1/8 in Perf St 3 1/9 1/9 1/9 1/9 1/9 1/9 1/9 1/9 1/9 1/9	ent ing asing g - Pr 7 7 11 11 11 , equi	(f (f (f (f (f (f (f (f (f (f (f (f (f (1289.0 Fop (tKB) 0.0 3912.0 y Tubing (ftKB) 7421.0 7424.0 11139.0 11143.0 11143.0 11175.0 tc.) - Plu Item Int 200.0 - 11 344.0 - 11 344.0 - 11 348.0 - 10 326.0 - 76	Amouli (sx) 3 9 17 g Jints 0 23 0 11 0 0 11 0 0 154.0 0 1540.0	0.00 nt	OCC by ID in) 2.4411 0.000 0.000 0.0000 SS (0.00 Com y Temp Wt 6.50 0.00 6.50 0.00 1129 hots (/ft) 2.2 2.2	Sur. Gr N-& Sur. Sur.	5 LTC s d Tho 30 8rd 8rd 80 8rd
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Ceme Casing Ceme Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in Perf St 2 7/8 in Mud Anchor Other (plugs Date 8/3/96 Perforations Date 8/26/96 11/22/96 2/25/97 2/25/97 3/11/97 Stimulations Date Ty	ent ing asing g - Pr 7 7 11 11 11 11 Cmt F	(f (f (f (f (f (f (f (f (f (f (f (f (f (1289.0 Top (tKB) 0.0 3912.0 y Tubing (ftKB) 7421.0 7424.0 11139.0 11143.0 11143.0 11175.0 Item Int 200.0 - 11 344.0 - 11 537.0 - 10 548.0 - 10 6326.0 - 76 ents	Amouli (sx) 3 9 17 g Jints 0 23 0 11 0 0054.0 0553.0 0553.0	0.0 nt	OCC by ID in) 2.4411 0.000 0.000 0.0000 SS (0.00 Com y Temp Wt 6.50 0.00 0.00 0.00 1122 hots (/ft) 2.2 2.2	Sur. Gr N-& Sur. Sur.	5 LTC s d The 30 8rd 8rd 30 8rd 11332.0
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Ceme Casing Ceme Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in Perf St 2 7/8 in Perf St 2 7/8 in Mud Anchor Other (plugs Date 8/3/96 Perforations Date 8/26/96 11/22/96 2/25/97 2/25/97 3/11/97 Stimulations Date Ty	ent ing asing g - Pr 7 7 11 11 11 11 Cmt F	(f (f (f (f (f (f (f (f (f (f (f (f (f (1289.0 Top (tKB) 0.0 3912.0 y Tubing (ftKB) 7421.0 7424.0 11139.0 11143.0 11143.0 11175.0 tc.) - Pit Item Int 200.0 - 11 537.0 - 10 548.0 - 10 526.0 - 76 ents Interval	Amouli (sx) 3 9 17 g Jnts 0 23 0 11 0 0 054.0 0553.0 0560	0.0 nt	OCC by ID in) 2.4411 0.000 0.000 0.0000 SS (0.00 Com y Temp Wt 6.50 0.00 0.00 0.00 1122 hots (/ft) 2.2 2.2	Sur. Gr N-& Sur. Sur.	5 LTC s d The 30 8rd 8rd 30 8rd 11332.0
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cem- Casing Cem- Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in Perf St. 2 7/8 in Perf St. 2 7/8 in Perf St. 2 7/8 in SN 2 7/8 in Perf St. 2 7/8 in SN 2 1/8 in Perf St. 2 1/8 in Perf St. 2 1/8 in Perf St. 2 1/8 in Perf St. 2 1/8 in Perf St. 2 1/8 in Perf St. 2 1/8 in Perf St. 2 1/8 in Perf St. 3 1/96 4 1/22/96 5 1/25/97 5 1/25/97 5 1/1/97 Stimulations	ent ing asing g - Pr 7 7 11 11 11 Cmt F	(f (f (f (f (f (f (f (f (f (f (f (f (f (1289.0 Top tKB) 0.0 3912.0 y Tubing (ftKB) 7421.0 7424.0 11139.0 11140.0 11143.0 11175.0 tc.) - Plu Item Int 200.0 - 11 537.0 - 10 548.0 - 10 548.0 - 76 ents Interval 11200.0	Amouli (sx) 3 9 17 g Jnts 0 11 0 11 0 1553.0 1553.0 1654.0	0.0 nt	OCC by ID in) 2.4411 0.000 0.000 0.0000 SS (0.00 Com y Temp Wt 6.50 0.00 0.00 0.00 1122 hots (/ft) 2.2 2.2	Sur. Gr N-& Sur. Sur.	5 LTC s d The 30 8rd 8rd 30 8rd 11332.0
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cemical Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in Perf St. 2 7/8 in Mud Anchor Other (plugs Date 8/3/96 Perforations Date 8/26/96 11/22/96 2/25/97 2/25/97 3/11/97 Stimulations Date Ty 3/29/96 Sand F	ent ing asing g - Pr 7 7 11 11 11 Cmt F	(f (f (f (f (f (f (f (f (f (f (f (f (f (1289.0 Top tKB) 0.0 0.0 3912.0 y Tubiny (ftKB) 7421.0 0 7424.0 0 11139.0 0 11143.0 0 11175.0 1 1tem Int 200.0 - 11 044.0 - 11 544.0 - 10 548.0 - 10 526.0 - 76 ents Interval 11200.0 11210.0	Amouli (sx) 3 9 17 g Jnts 0 11 0 11 0 0 54.0 0 054.0 0 054.0 0 05553.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 nt	OCC by ID in) 2.4411 0.000 0.000 0.0000 SS (0.00 Com y Temp Wt 6.50 0.00 0.00 0.00 1122 hots (/ft) 2.2 2.2	Sur. Gr N-& Sur. Sur.	5 LTC s d The 30 8rd 8rd 30 8rd 11332.0
5 1/2 in Prod. Csg. 5 1/2 in Float Collar Casing Cemic Casing Cemic Casing Str Surface Casing Intermediate C. Production Cas Tubing Strin Item (in) 2 7/8 in Tbg 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in Perf St. 2 7/8 in Perf St. 2 7/8 in Mud Anchor Other (plugs Date 8/3/96 Perforations Date 8/26/96 11/22/96 2/25/97 2/25/97 3/11/97 Stimulations Date Ty 3/29/96 Sand F	ent ing asing g - Pr 7 11 b 11 cmt P Cmt P	(ff (ff (ff (ff (ff (ff (ff (ff (ff (ff	1289.0 Top	Amouli (sx) 3 9 17 9 Jints 0 23 11 0 11 0 0 054.0 0 054.0 0 0553.0	0.0 nt	OCC by ID in) 2.4411 0.000 0.000 0.0000 SS (0.00 Com y Temp Wt 6.50 0.00 0.00 0.00 1122 hots (/ft) 2.2 2.2	Sur. Gr N-& Sur. Sur.	5 LTC s d The 30 8rd 8rd 30 8rd 11332.0

WELL HISTORY

JAMES RANCH UNIT #65 WELL NAME:

FIELD NAME: LOS MEDANOS (WOLFCAMP)

LOCATION: 330' FNL & 2310' FEL

SEC 6, T-23-S, R-31-E

EDDY CO., NM

ELEV: 3318' GL, 3331.2'KB

SPUD DATE: 7/8/96

COMP DATE: 9/2/96

ORIG TD: 11,332'

ORIG PBTD: 11,290'

CASING: 16" CONDUCTOR SET @ 40'

11 3/4" 42#, H-40,ST&C CSA 575', CMT W/360 SXS CL H, CMT CIRC TO SURFACE 8 5/5" 32#, J-55, ST&C CSA 3770', CMT W/975 SXS, CMT CIRC TO SURFACE 5 1/2", 122 JTS, 17# CF95, LT&C AND 145 JTS 5 1/2 17# P-110 & CF-95, LT&C CSA 11,332', CMT W/1725 SXS PREM 50/50 POZ A. TOC @ 3912' BY TEMP SURVEY

TUBING:

NONE DST:

CORES & LOGS: NO CORES

LOGS: HALLIBURTON, DILL-SGRD/SDL-DSN; 8-1-96

INITIAL COMPLETION

8-24-96 through 8-30-96 INITIAL COMPLETION

8-24-96 Bass to complete well.

8-26-96 RIH W/GR-CCL tool & log intervals 11,283-10,283', 8000-7000', and

6050'-5850'. PERF 11,200'-11,210'(Wolfcamp) w/2 JSPF/180 deg

phased, 20 shots.

8-29-96 Load hole w 136 bbls 2% KCL, pump 18 bbls 15% HCL w/additives

across WC perfs, break fm @ 3900# psi, pump @ 4000 psi, ISIP 3950 PSI and 3720 PSI after 10 min. RU Dowell and frac well with 28,960 gals YF-140 gel + 144,000 \sharp 20/40 Ottawa sand + 5,000 \sharp 20/40 econo

prop. Well screened out

10/29/96 Tag up 0 11,212' on soft fill (frac sand) Run flowing gradient pressure tests. Set BHP bomb, SI 5 days for BU. Attempt to retrive BHP tools, stuck w/frac sand. Bailed sand, recovered 10/18/96 to 10/29/96

BHP tools. Return well to prod.

WELL HISTORY JAMES RANCH UNIT #65 PAGE 2

- 11/21/96 to 11/27/96 Perf & Frac 3^{rd} Bone Spring FM RIH w/CIBP, attempt to set at 11, 180', BP stuck in csg collar @ 11,153'. Set CIBP @ 11,153'. Perf Bone Spring fm @ 11,044-54' (10'-2JSPF -180° phased. Tag CIBP @ 11,153, dump cmt on top. Acidize perfs 11,044-54' w/350 gals 15% HCL. Frac 11,044-54' w/59,500 gals YF140D + 272,000# 20/40 Ottawa Sd + 60,000# 20/40 SB Ultra sd. Flowed well back. Left flowing.
- POH w/3 ½" tbg & LD, RIH w/2 7/8" tbg, EOT @ 10,943'. Swabbed and left well flowing to battery. AWO: 1-7-97 F 96 BOPD + 94 BWPD + 146 MCF on 16/64" ck. 80 # FTP, no sand. 12/26/96
- 2/8/97 Run BHP test.
- 2/24/97 to 2/27/97 Perf & Acidize Bone Spring Carbonate Set CIBP @ 10,750'. Perf 10,537-40'(3'-6 holes-180° phased) and $10,548-53'(5'-10 \text{ holes}-180^{\circ} \text{ phased})$. Acidize w/1150 gals 20% HCL + 32 BS. Test: 0 BO, 3 BW, 0 MCF.
- Perf & Frac Delaware 3/9/97 to 3/14/97 Set CIBP @ 7900'. **Perf** 7626-36'(10'-20 holes-180° phased). Acidize w/200 gals 15% HCL. Frac w/14,085 gals YF130 and 61,000# 20/40 Ottawa sand + 15,000# 20/40 SB Ultra. Flow well back, turn to battery. Kill well, tag sand fill @ 7856' (44' fill above CIBP @ 7900'). RIH w/2 7/8" N-80 Tbg, EOT @ 7452'. RIH w/pump & rods. Place well on prod. Test: 3-25-97 110 BOPD, 9 BWPD, 222 MCFGPD.
- 8/11/97 to 8/19/97 DO CIBP'S & COMMINGLE ALL ZONES DO CIPB @ 7900', DO CIPB @ 10,750', DO CIPB @ 11,153'. Drill out fill to 11,332' PBTD (new). Flow and clean up well. Tag fill @ 11,284'. RIH w/tbg, rods & pump. Place well on prod. AWO: 9/2/97 99 BO, 5 BW, 217 MCF.

DISTRICT I F.G. Best 1988, Hobbes, MR 48841-1980

State of New Mexico

Laury, Maurais and Natarai Bosserass Department

Form: C-102
Revised February 1d, 1994
Submit to Appropriate District Office

State-Louse - 4 Cepter Few Louse - 3 Copies

DISTRICT II

TRICT III

OIL CONSERVATION DIVISION P.O. Box 2088

DISTRICT IV P.O. Box 2008, Sense Pa. NML 57504-2006 Santa Fe. New Mexico 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	30-015-27995	Pool Code	Pool Name LOS MEDANOS (WOLFCAMP)	
	Property Code	Property Name JAMES RANCH U	UNIT Yell Number	
- [OGRID No.	Operator Name	Devation	_
į	001801	BASS ENTERPRISES PRO	DDUCTION CO. 3318	

Surface Location

UL or lot Ne.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	Rest/Vest line:	County
LOT 2	6. ·	23 S	31 E		330	NORTH	2310	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section Town	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
	1					·		
Dedicated Acres	Joint or Intil	Consolidation	Code: Ord	ter Na.	<u> </u>			•
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

	OR A NON-STAI	NDARD UNIT HAS BE	EN APPROVED BY T	HE DIVISION
LOT 4 40.45 AC.	3316	LOT 2 39.94 AC.	2310'	OPERATOR CERTIFICATION I horopy corrify the the information consumed horon is true and complete to the basis of my including and boiles. William L. Sannel Signature
LOT 5 40.79 AC.				William R. Dannels Printed Name Division Drilling Supt. Title February 2, 1996 Date SURVEYOR CERTIFICATION
LOT 6 40.96 AC.				I hereby certify that the well location shown on this plat was plotted from field nates of actual surveys made by the or under my supervision and that the same is true and correct to the best of my bollef. JANUARY 22, 1995 Date Surveysminimum. JLP Signature A Fact of Comm.
LOT 7 41.15 AC.		.		Professional Surveyor Solling 1-30-90 MED NOT 96-1 - 1093 Certificate No. JQIN 10 MEST. 676 MIN 170-1500N 1229 MIN 170-1500N 12241

DEPARTMENT OF THE INTERIOR SCHOOL STATE PRODUCTION OR RECOMPLETION REPORT AND LOCATION MADERNAME OF THE CONTINUE CONTINUES AND MEDICAL STATE OF THE NAME OF THE CONTINUE CONTINUES AND	BEFIC: -WIT PRODUCTION OR RECOMPLETION REPORT AND LOGS WELL_COMPLETION OR RECOMPLETION REPORT AND LOGS			l	נבי זאט	STAT		PERATOR	IN DUPLICA	TE			MB NO	PPROVED 0. 1004-0137
A PRINCE ON PLIE VIOLO OR RECOMPLETION REPORT AND LOG* TITE OF WELL ON ALL OTHER COMPLETION REPORT AND LOG* IN THE OF MALE OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER	TYPE OF WELLS TYPE OF COMPLETION OR RECOMPLETION REPORT AND LOG* TYPE OF COMPLETION WILL TYPE OF COMPLETION WELL TYPE OF COMPLETION WELL TYPE OF COMPLETION T	A pri w . A i	DE	PART	MENT O	FTH	EINT	RIOR	Str	uctions on	3. Li			
TYPE OF SCHOOLS AND COMPLETION REPORT AND CO	TYPE OF WELL ON THE PLOT ON THE POPULATION OF THE COMPLETION OF TH		PHUU	BUREA	U OF LAND	MANAG	EMENT		16	velæ 2006)	N			
STATE OF CONTINUED WORK DRIP WORK	S. TYPE GRECKETEKTON WORK WORL WORL WILL WORL	METITION	IPLE	TION C	R RECO	MPL	ETION	REPOR'	T AND	LOG	•		ALLOTTE	E OR TRIBE NAME
STATE OF CONTINUED WORK DRIP WORK	S. TYPE GRECKETEKTON WORK WORL WORL WILL WORL	TYPE OF WELL		OIL	X GAS		200	5 A G			- 1			-
2. NAMES OF ORBATOR 2. ADDRESS AND TELEPHONE NO. 2. ADDRESS AND TELEPHONE NO. 3. ADDRESS AND TELEPHONE NO. 3. ADDRESS AND TELEPHONE NO. 4. ADDRESS AND TELEPHONE NO. 5. ADDRESS AND TELEPHONE	Bass Enterprises Production Co. James Ranch Unit #65 Bass Enterprises Production Co. James Ranch Unit #65 James Ranch Unit #66 James Ranch Unit #66 James Ranch Unit #66 James Ranch Unit #66 James Ranch Unit #66	b. Type of Edid	LETION:		1	JAPA .	IM	FUE	1	=	J	ames R	Ranch	Unit
3. ADDRESS AND TELEPHONE NO. P.O. BOX 2750 Hidland, TX 79702-2760 4. LOCADING OF WELL. (Report location clearly and in accordant) Soft on Space requirements)* A LOCAL MORPH TOP INC. (Report location clearly and in accordant) Soft on Space requirements)* A LOCAL MORPH TOP INC. (Report location clearly and in accordant) Soft on Space requirements)* A LOCAL MORPH TOP INC. (Report location clearly and in accordant) Soft on Space requirements)* A LOCAL MORPH TOP INC. (Report location clearly and in accordant) Soft on Space requirements)* A LOCAL MORPH TOP INC. (Report location clearly and in accordant) Soft on Space requirements)* A LOCAL MORPH TOP INC. (Report location clearly and in accordant) Soft on Space Report on Accordance Report on Accordance Report on Space Re	3. ADDRESS AND TELEPHONE NO. P.O. BOX 2750 Hiddand, TX 79702-2760 4. LOCATION OF WELL. (Report location clearly and in assemble faith in String Assertace 130) FIL & 2310 FEL AND ROOL OR WILDOWN LOSS MERCORD FINE Assertace 1300 FIL & 2310 FIL	WELL L	OVER !		BACK	X/ R	EW Y	Other	\					
3. ADDRESS AND TELEPHONE NO. P.O. BOX 2750 Hidland, TX 79702-2760 4. LOCADING OF WELL. (Report location clearly and in accordant) Soft on Space requirements)* A LOCAL MORPH TOP INC. (Report location clearly and in accordant) Soft on Space requirements)* A LOCAL MORPH TOP INC. (Report location clearly and in accordant) Soft on Space requirements)* A LOCAL MORPH TOP INC. (Report location clearly and in accordant) Soft on Space requirements)* A LOCAL MORPH TOP INC. (Report location clearly and in accordant) Soft on Space requirements)* A LOCAL MORPH TOP INC. (Report location clearly and in accordant) Soft on Space requirements)* A LOCAL MORPH TOP INC. (Report location clearly and in accordant) Soft on Space Report on Accordance Report on Accordance Report on Space Re	3. ADDRESS AND TELEPHONE NO. P.O. BOX 2750 Hiddand, TX 79702-2760 4. LOCATION OF WELL. (Report location clearly and in assemble faith in String Assertace 130) FIL & 2310 FEL AND ROOL OR WILDOWN LOSS MERCORD FINE Assertace 1300 FIL & 2310 FIL			duction	Co.	I/	MAN				J	ames R	lanch	Unit #65
A DATE SPECIAL CONTROL OR WILLOW TO A DATE TO THE COUNTY OF AND COLD OR WILLOW TO A DATE SPECIAL COLD OR AND COLD OR WILLOW TO A DATE SPECIAL COLD OR AND COLD OR WILLOW TO A DATE SPECIAL COLD OR AND	AL DOCATION OF WELL (Report location clearly and in secondary Suit feet State requirements)* All bartes 330 FNL & 2310 FEL At top froid. interval reported below Same At total depth At total depth At total depth At total depth 1. DATE SPRIDED 1. DATE SPRINE SPRIDED 1. DATE SPRIDED 1. DATE SPRINE SPRIDED 1. DATE SPRINE SPRIDED 1. DATE SPRINE SPRIDED 1. DATE SPRINE SPRINE 1. DATE SPRINE SPRINE 1. DATE SPRINE SPRINE 1. DATE SPRINE SPRINE 1. DATE SPRINE SPRINE 1. DATE SPRINE SPRINE 1. DATE SPRIN				79702-2760	`	7,111	7 100	~ j	3-227	1 .			5
As top prod. interval reported below Same As total depth As	A top prod. interval reported below Same At local depth Same A total depth Same A total depth Same A total depth Same A total depth Same A total depth Same A total depth Same A total depth Same A total depth Same A total depth Same A total depth Same II. DATE SPUDDED II. DATE SPUDDED II. DATE SPUDDED III. DATE SP	4. LOCATION OF WELL	. (Report	location clear	rty and in accorda	week fith	ms State req	uirements)+	/	~	10. F	ELD AND	POOL, C	R WILDCAT
Same A. PERMIT NO. DATE SINUED C. COLNTY OR PARKEN D. STATE PARKEN C. COLNTY OR PARKEN D. STATE PARKEN C. COLNTY OR PARKEN D. STATE PARKEN C. COLNTY OR PARKEN D. STATE P	Same A. FERMIT NO. DATE ISSUED D. COUNTY OR RAISH D. STATE	330 FNL & 23	10' FEL			13	, , , , , , , , , , , , , , , , , , ,	V.M.			L	os Med	ianos	(Bone Spring)
Same A. PERMIT NO. DATE SINUED C. COLNTY OR PARKEN D. STATE PARKEN C. COLNTY OR PARKEN D. STATE PARKEN C. COLNTY OR PARKEN D. STATE PARKEN C. COLNTY OR PARKEN D. STATE P	Same A. FERMIT NO. DATE ISSUED D. COUNTY OR RAISH D. STATE		l reported b	olow		/	ed, New	Mexico						
IS DATE SMEDDED IS DATE T.D. REACHED IT. DATE COMPL.(Ready to prod.) IT. ELEVATIONS OF, REE, RT, GR, ETC.)* IT. PLADS, BACKET.D., MO ATVD IT. PLADS, BACKET.D., MO ATVD IT. PLADS, BACKET.D., MO ATVD IT. PLADS, BACKET.D., MO ATVD IT. PLADS, BACKET.D., MO ATVD IT. STIPPE IT. PLADS, BACKET.D., MO ATVD IT. PLADS, BACKET.D., MO ATVD IT. STIPPE IT. PLADS, BACKET.D., MO ATVD IT. STIPPE IT. PLADS, BACKET.D., MO ATVD IT. PLADS, BACKET.D., MO ATVD IT. STIPPE IT. PLADS, BACKET.D., MO ATVD IT. STIPPE IT. PLADS, BACKET.D., MO ATVD IT. STIPPE IT	SARSH SECOND 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 19. ELEV. CASINGREAD 11/23/96 11/23/96 11/27/96 3318' GL. 3331.02' KB	At total depth												
15. DATE T.D. RECKTED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS DP. REA. RT. OR. ETC.)* 11/22/96 11/23/96 11/27/96	11/22/96 11/23/96 11/27/96 11/27/96 11/27/96 11/27/96 11/27/96 3318' GL, 3331.02' KB	Same				14. PE	RMIT NO.	DA:	TE ISSUED					is. STATE
11/22/96 11/23/96 11/27/96 21 11/27/96 3318' GL. 3331.02' KB 20. TOTAL DEPTH, ND & TVD 11.153' 11.153' 21.15.04 21. PULD, BACKT.D., ND & TVD 11.153' 21.15.04 22. PMILD BACKT.D., ND & TVD 11.15.04 23. MAS DIRECTIONAL SURVEY MADE 11.044-54' (Bone Spring) CONFIDENT AL 25. WAS DIRECTIONAL SURVEY MADE 11.044-54' (Bone Spring) CONFIDENT AL 27. WAS WELL CORED NO 28. CASING RECORD (Report all strings set in well) AND 27. WAS WELL CORED NO 28. CASING RECORD (Report all strings set in well) AND AND AND AND AND AND AND AN	11/22/96 11/23/96 11/27/96 3318' GL. 3331.02' KB	// D. (27) 07/ DD (27)	1					1)					1	
11,332' 11,153' NOW MANY' Single DRILED BY 0-11,332' 25. WAS DIRECTIONAL SURVEY MADE 11,044-54' (Bone Spring) 27. WAS WELL CORED NO 27. WAS WELL CORED NO 28. CASING RECORD (Report all strings set in well) ASING SEZEGRADE WEIGHT, LRJFT. DEPTH SET (MD) BOLE SEZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED 14" 42# 575' 14-3/4" 310 sx Prem Plus H Surface 1-5/8" 32# 3770' 11" 975 sx Prem Plus H Surface 1-1/2" 17# 11,332' 7-7/8" 1725 sx Prem H 3912' (TS) 1-1/2" 17# 11,332' 7-7/8" 1725 sx Prem H 3912' (TS) 20. LINER RECORD SACKS CEMENT' SCREEN (MD) SEZE DEPTH SET (MD) PACKER SET (MD) None 2-7/8" 10,943' 21. DEEPORATION RECORD (Internal, size and number) CIBP Set @ 11,153', dump ba'll 10' cement on top. DEEPTH NITEWAL (MD) AMOUNT AND KNO PM ATERIAL LUSED 11,044-54' (10', 20 shots) PRODUCTION PRODUCTION METHOD (Flowing, gaz lift flowed) ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gaz lift flowed) ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gaz lift flowed) TEST PRODUCTION PRODUCTION METHOD (Flowing, gaz lift flowed) ATE OF TEST HOURS TESTED CHOICE SEZE PROON, POR OIL-BBL GAS - MCF. WATER - BBL GAS - OIL-RATIO 12/11/96 24 16/64" TEST PERIOD 59 37 70 G27 DESPONITION OF GAS SCALA Meet for fuel, remain, etc.) DESPONITION OF GAS SCALA Meet for fuel, remain, etc.) DESPONITION OF GAS SCALA Meet for fuel, remain, etc.)	11,332' 11,153' ROW MANY Single DELLED BY 0-11,332' 24. PRODUCING INTERVALOS, OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE 11,044-54' (Bone Spring) 26. TYPE ELECTRIC AND OTHER LOGS RUN NA 27. WAS WELL CORED NO 28. CASING RECORD (Report all strings set in well) ASSING SZEZEGRADE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SZEZ TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED 74" 42# 555' 14-3/4" 310 SX Prem Plus H Surface 15-5/8" 32# 3770' 11" 975 SX Prem Plus Poz Circ 15-1/2" 17# 11,332" 7-7/8" 1725 SX Prem H 3912' (TS) 29. LINER RECORD SACKS CEMENT* SCREEN (ND) SIZE DEPTH SET (MD) PACKER SET (MD) None 2-7/8" 10,943' 21. PERFORATION RECORD (Interval, size and number) CIBP Set @ 11,153', dump ba11 10' cement on top. 11,044-54' Spot 3,878' gals 15% HC1 acid. Perf'd w/ 4" csg gun loaded w/ 2 JSPF @ 180 degree based 40# gal & 332,000#'s 20/40 DATE FIRST PRODUCTION PROPICE SET IN TIME SET ON THE SURVEY SET IN TIME SURVEY MADE SURVEY MADE SURVEY MADE SURVEY MADE SURVEY MADE SURVEY MADE SURVEY MADE SURVEY MADE SURVEY MADE SURVEY MADE SURVEY MADE SURVEY MADE S		1	/23/96	11/2	27/96	coasy to proc			-		•	19. E	
25. WAS DIRECTIONAL SURVEY MADE 11. 044-54* (Bone Spring) CASING RECORD (Report all strings set in well) ASING SIZE/RADE WEIGHT, LAFT. DEPTH SET (MD) 127. WAS WELL CORED NO CASING RECORD (Report all strings set in well) ASING SIZE/RADE WEIGHT, LAFT. DEPTH SET (MD) 128. CASING RECORD (Report all strings set in well) ASING SIZE/RADE WEIGHT, LAFT. DEPTH SET (MD) 129. SX Press Plus Poz Circ 174* 11,332* 7-7/8* 1725 SX Press Plus Poz Circ 172* 174* 11,332* 7-7/8* 1725 SX Press Plus Poz Circ 174* 11,332* 7-7/8* 1725 SX Press Plus Poz Circ 172* 174* 11,332* 7-7/8* 1725 SX Press Plus Poz Circ 175* 10,943* DEPTH SET (MD) NONE 1. FERFORATION RECORD (Internal, size and number) CIBP Set @ 11,153*, dump bail 10' cement on top. DEPTH NTERVAL (MD) ANOUNT AND KND OF MATERIAL USED 11,044-54* (10', 20 shots) PRODUCTION ATE PERST PRODUCTION PRODUCTION PRODUCTION FRODUCTION ATE OF TEST HOURS SESSURE ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH NTERVAL (MD) ANOUNT AND KND OF MATERIAL USED 11,044-54* Spot 3,878* gails 15% HCl acid. Frac wf 63,329 gails 15% HCl acid. Frac wf 63,329 gails 15% HCl acid. PRODUCTION ATE OF TEST HOURS TESTED CHOKE SIZE PRODUCTION ATE OF TEST HOURS TESTED CHOKE SIZE PRODUCTION ATE OF TEST HOURS TESTED CHOKE SIZE PRODUCTION AND THE BBL. GAS - MCF. WATER - BBL. GAS - MCF. WATER - BBL. OIL GRAVITY - API (CORR.) 1001 GRAVITY - API (CORR.) 1001 GRAVITY - API (CORR.) 1001 GRAVITY - API (CORR.) 1001 GRAVITY - API (CORR.) 1001 GRAVITY - API (CORR.) 1001 GRAVITY - API (CORR.) 1001 GRAVITY - API (CORR.) 1001 GRAVITY - API (CORR.) 1001 GRAVITY - API (CORR.) 1001 GRAVITY - API (CORR.) 1001 GRAVITY - API (CORR.) 101 GRAVITY - API (CORR.) 102 GRAVITY - API (CORR.) 103 GRAVITY - API (CORR.) 103 GRAVITY - API (CORR.) 104 GRAVITY - API (CORR.) 105 GRAVITY - API (CORR.) 105 GRAVITY - API (CORR.) 107 GRAVITY - API (CORR.)	22. WAS DEBECTIONAL SURVEY MADE 11,044-54' (Bone Spring) 25. WAS DEBECTIONAL SURVEY MADE 11,044-54' (Bone Spring) 27. WAS WELL CORED NO 28. CASING RECORD (Report all strings set in well) ASSING SIZE/GRADE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, COMENTING RECORD AMOUNT PULLED AND THE STRING SIZE/GRADE SIZE STRING SIZE SET PLUS H SURFACE SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZ		& TVD			VD 2				LLED BY				CABLE TOOLS
27. WAS WELL CORED NO NO NO NO NO NO NO N	26. TYPE ELECTRIC AND OTHER LOGS RUN NA CASING RECORD (Report all strings set in well) ASING SIZEAGRADE WEIGHT, LB_FT. DEPTH SET (MD) 3. CASING RECORD (Report all strings set in well) ASING SIZEAGRADE WEIGHT, LB_FT. DEPTH SET (MD) 3. SZ# 575' 14-3/4" 310 SX Prem Plus H Surface 3. 5/8" 32# 3770' 11" 975 SX Prem Plus POZ Circ 3. 1/2" 17# 11,332' 7-7/8" 1725 SX Prem Plus POZ Circ 3. LINER RECORD SIZE DEPTH SET (MD) PACKER SET (MD) None SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) None 2-7/8" 10,943' 31. PERFORATION RECORD (Interval, size and number) CIBP Set @ 11,153', dump bail 10' cement on top. PEPTI NITERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 11,044-54' Spot 3,878' gals 15% HCl acid. Perf'd w/ 4" csg gun loaded w/ 2 JSPF @ 180 degree phasing. 11,044-54' (10', 20 shots) DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift photoletics) PRODUCTION PRODUCTION METHOD (Flowing, gas lift photoletics) PRODUCTION PRODUCTION METHOD (Flowing, gas lift photoletics) WELL STATUS (Producing or shull-in) Producing		/AL(S), OF T			M, NAME	(MD AND TV	D)+			1 -			
CASING RECORD (Report all strings set in well) ARMS SIZEGRADE WEIGHT, LB./TT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED 1/4" 42# 575" 14-3/4" 310 SX Prem Plus H Surface 5/8" 32# 3770' 11" 975 SX Prem Plus H Surface 1/2" 17# 11,332' 7-7/8" 1725 SX Prem H 3912' (TS) 1/2" 17# 11,332' 7-7/8" 1725 SX Prem H 3912' (TS) 1/2" 17# 11,332' 7-7/8" 1725 SX Prem H 3912' (TS) 1/2" 17# 11,332' 7-7/8" 1725 SX Prem H 3912' (TS) 1/2" 17# 11,332' 7-7/8" 1725 SX Prem H 3912' (TS) 1/2" 17# 11,332' 7-7/8" 1725 SX Prem H 3912' (TS) 1/2" 17# 11,332' 7-7/8" 1725 SX Prem H 3912' (TS)	26. TYPE ELECTRIC AND OTHER LOGS RUN NA CASING RECORD (Report all strings set in well) ASING SIZEAGRADE WEIGHT, LB_FT. DEPTH SET (MD) 3. CASING RECORD (Report all strings set in well) ASING SIZEAGRADE WEIGHT, LB_FT. DEPTH SET (MD) 3. SZ# 575' 14-3/4" 310 SX Prem Plus H Surface 3. 5/8" 32# 3770' 11" 975 SX Prem Plus POZ Circ 3. 1/2" 17# 11,332' 7-7/8" 1725 SX Prem Plus POZ Circ 3. LINER RECORD SIZE DEPTH SET (MD) PACKER SET (MD) None SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) None 2-7/8" 10,943' 31. PERFORATION RECORD (Interval, size and number) CIBP Set @ 11,153', dump bail 10' cement on top. PEPTI NITERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 11,044-54' Spot 3,878' gals 15% HCl acid. Perf'd w/ 4" csg gun loaded w/ 2 JSPF @ 180 degree phasing. 11,044-54' (10', 20 shots) DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift photoletics) PRODUCTION PRODUCTION METHOD (Flowing, gas lift photoletics) PRODUCTION PRODUCTION METHOD (Flowing, gas lift photoletics) WELL STATUS (Producing or shull-in) Producing	11,044-54° (Bo	one Spr	ing)			CUN	IFINEN ⁷	TAL			•		
CASING RECORD (Report all strings set in well) ASSIGN SIZEAGRADE WEIGHT, LAUFT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT FULLED AMOUNT FULLED AMOUNT FULLED AMOUNT FULLED ASSIGN SIZEAGRADE WEIGHT, LAUFT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT FULLED AND SIZE TOP (MD) SIZE DEPTH SET (MD) PACKER SET (MD) SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) None 2-7/8" 10,943' CIBP SET @ 11,153', dump bail 10' cement on top. PERPORATION RECORD (Internal, size and number) CIBP SET @ 11,153', dump bail 10' cement on top. PERPORATION RECORD (Internal, size and number) CIBP SET @ 11,153', dump bail 10' cement on top. PERPORATION RECORD (Internal, size and number) CIBP SET @ 11,153', dump bail 10' cement on top. PERPORATION RECORD (Internal, size and number) CIBP SET @ 11,153', dump bail 10' cement on top. PERPORATION RECORD (Internal, size and number) TIBLE WILL STATUS (Producing or Internal) PRODUCTION PRODUCTION METHOD (Plowing, gas Eff. Part of the producing or Internal State of the producing or Internal State of the producing of Internal State of the producing of Internal State of the producing of Internal State of the producing of Internal State of the producing of Internal State of the producing of Internal State of the producing of Internal State of the producing of Internal State of Test PRODUCTION INTERNAL STATE OIL BBL. DISPOSITION OF GAS (Sold, used for fuel, rented, ste.) DISPOSITION OF GAS (Sold, used for fuel, rented, ste.) DISPOSITION OF GAS (Sold, used for fuel, rented, ste.) DISPOSITION OF GAS (Sold, used for fuel, rented, ste.) DISPOSITION OF GAS (Sold, used for fuel, rented, ste.)	CASING RECORD (Report all strings set in well)		D OTHER LO	GS RUN			- 60+	11.00					27. WA	
ASING SIZEGRADE YENGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED	ASING SIZE/GRADE WEIGHT, LB_FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED				CASI	NG REC	ORD (Repo	et all strings set in	well)					NO .
178 32# 3770' 11" 975 SX Prem Plus Poz Circ	32# 3770	CASDIC STREET ADD												
LINER RECORD SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) None LINER RECORD SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) REPROPATION RECORD (Interval, size and number) CIBP Set @ 11,153*, dump ba11 10* cement on top. PERFORATION RECORD (Interval, size and number) CIBP Set @ 11,153*, dump ba11 10* cement on top. DEPTH NTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 11,044-54* Spot 3,878* ga1s 15½ HC1 ac1d. Frac w/ 63,329 ga1s 15½ HC1 ac1d. Frac w/ 63,329 ga1s YF140D guar based 40# ga1 & 332,000#*s 20/40 Ottawa Sand. PRODUCTION PRODUCTION PRODUCTION METHOD (Flowing, gaz Lift Production) ATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. POR TEST PERSON TEST PERSON TO GAS - OIL RATIO 12/11/96 CASING PRESSURE CHOKE SIZE TEST PERSON TO 48.4 DISPOSITION OF GAS (Sold, used for fuel, pressed, stc.) TEST WINNESSED BY TEST WINNESSED BY TEST WINNESSED BY TEST WINNESSED BY TEST WINNESSED BY TEST WINNESSED BY	29. LINER RECORD SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) None 20. TUBING RECORD SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) None 20. TUBING RECORD 2 - 7/8" 10,943" DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 11,044-54" Spot 3,878" gals 15% HCl acid. Perf'd w/ 4" csg gun loaded w/ 2 JSPF @ 180 degree phasing. 11,044-54" (10", 20 shots) PRODUCTION. PRODUCTION PRODUCTION METHOD (Flowing, gas lift point and form of the short of the sho		WE	GHT, LB./FT.		(MD)		LE STZE						AMOUNT PULLED
LINER RECORD SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) None 2-7/8* 10,943* LIPERPORATION RECORD (Interval, size and number) CIBP set @ 11,153*, dump ba11 10' cement on top. Perforation record (Interval, size and number) CIBP set @ 11,153*, dump ba11 10' cement on top. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 11,044-54* Spot 3,878* ga1s 15% HC1 acid. Frac w/ 63,329 ga1s YF140D guar based 40f ge1 & 332,000f*s 20/40 Ottawa Sand. PRODUCTION PRODUCTION METHOD (Flowing, gas Lift Parket) ATE OF TEST HOURS TESTED CHOKE SIZE FROD'N, POR TEST PERCON 12/11/96 24 CHOKE SIZE TEST PERCON COW. TUBING PRESS. CASING PRESSURE CALCULATED OIL - BBL GAS - MCF. WATER - BBL GAS - OIL RATIO 627 DISPOSITION OF GAS (Sold, used for first), rented, stc.) DISPOSITION OF GAS (Sold, used for first), rented, stc.)	EXE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) None 2-7/8" 10,943' 31. PERPORATION RECORD ([Interval, size and number) CIBP set @ 11,153', dump ball 10' cement on top. Depth interval (MD) AMOUNT AND KIND OF MATERIAL USED 11,044-54' Spot 3,878' gals 15% HCl acid. Perf'd w/ 4" csg gun loaded w/ 2 JSPF @ 180 degree phasing. 11,044-54' (10', 20 shots) PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION Producing or shull-in) Producing Producing or shull-in) Producing Producing or shull-in) Producing	/4"	42#	GHT, LB./FT.	575*	(MD)	14-3/4	LE STZE	310 sx	Prem	Plus H	Surf	ace	
LINER RECORD SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) None 2-7/8* 10,943* L PERPORATION RECORD (Interval, size and number) CIBP set @ 11,153*, dump bail 10' cement on top. Perf'd w/ 4* csg gun loaded w/ 2 JSPF @ 180 degree phasing. 11,044-54' (10', 20 shots) PRODUCTION Fracture, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 11,044-54' Spot 3,878' gals 15% HC1 acid. Frac w/ 63,329 gals YF140D guar based 40# gel & 332,000#'s 20/40 Ottawa Sand. PRODUCTION Flowing PRODUCTION METHOD (Flowing, gas Lift Part) in Language phasing. 11,044-54' (10', 20 shots) PRODUCTION Flowing GAS-MCF. WATER-BBL GAS-OIL RATIO 12/11/96 24 16/64* TEST PERICO 59 37 70 627 LOW. TUBING PRESS. CASING PRESSURE CALCULATED OIL-BBL GAS-MCF. WATER-BBL GAS-OIL RATIO 12/11/96 24 16/64* TEST PERICO 59 37 70 48.4 DISPOSITION OF GAS (Sold, used (or fuel, rented, stc.)	29. LINER RECORD SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) None 2-7/8" 10,943' 31. PERPORATION RECORD (Interval, size and number) CIBP set @ 11,153', dump bail 10' cement on top. Depth Interval (MD) AMOUNT AND KIND OF MATERIAL USED 11,044-54' Spot 3,878' gals 15% HCl acid. Perf'd w/ 4" csg gun loaded w/ 2 JSPF @ 180 degree phasing. 11,044-54' (10', 20 shots) DATE FIRST PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION Producing or shull-in) Producing	/4" 3-5/8"	42# 32#	GHT, LB./FT.	575°	(MD)	14-3/4 11*	LE SIZE	310 sx 975 sx	Prem	Plus H	Surf oz Cir	c ace	6 Br 8
SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) None 2-7/8* 10,943* L PERFORATION RECORD (Interval, size and number) CIBP set @ 11,153*, dump ball 10* cement on top. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 11,044-54* Spot 3,878* gals 15% HCl acid. Perf*d w/ 4* csg gun loaded w/ 2 JSPF @ 180 degree phasing. 11,044-54* (10*, 20 shots) PRODUCTION PRODUCTION PRODUCTION PRODUCTION Flowing ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift Producting or shut-in) Producting ATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. POR 12/11/96 24 16/64* TEST PERIOD TEST PERIOD TO GAS-MCF. WATER - BBL. OIL GRA-VITY - API (CORR.) JEPPOSITION OF GAS (Sold, used for fuel, rented, stc.) DEPOSITION OF GAS (Sold, used for fuel, rented, stc.)	SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) None 2-7/8* 10,943* 31. PERFORATION RECORD (Interval, size and number) CIBP set @ 11,153*, dump bail 10* cement on top. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 11,044-54* Spot 3,878* gals 15% HCl acid. Perf'd w/ 4* csg gun loaded w/ 2 JSPF @ 180 degrees phasing. 11,044-54* (10*, 20 shots) DATE FIRST PRODUCTION PRODUCTION PRODU	/4" 3-5/8"	42# 32#	KGHT, LB./FT.	575°	(MD)	14-3/4 11*	LE SIZE	310 sx 975 sx	Prem	Plus H	Surf oz Cir	c ace	
L PERFORATION RECORD (Interval, size and number) CIBP set @ 11,153', dump bail 10' cement on top. Perf'd w/ 4" csg gun loaded w/ 2 JSPF @ 180 degree phasing. 11,044-54' (10', 20 shots) PRODUCTION PRODUCTION PRODUCTION Flowing ATE FIRST PRODUCTION Flowing ATE OF TEST HOURS TESTED CHOKE SIZE FROD'N. FOR 12/11/96 24 16/64" PROD'N. FOR TEST PERSOD TEST WITNESSED BY TEST WITNESSED BY	31. PERPORATION RECORD (Interval, size and number) CIBP set @ 11,153°, dump bail 10° cement on top. Perf'd w/ 4" csg gun loaded w/ 2 JSPF @ 180 degree phasing. 11,044-54° (10°, 20 shots) PRODUCTION PRODUCTIO	/4" 3-5/8" 3-1/2"	42# 32#		575° 3770° 11,332°	(MD)	14-3/4 11*	LE SIZE	310 sx 975 sx 1725 sx	Prem	Plus H Plus Po H 39	Surf oz Cir 12° (T	ace S)	
CIBP set @ 11,153', dump bail 10' cement on top. DEPTH NTERVAL (ND) AMOUNT AND KIND OF MATERIAL USED 11,044-54' Spot 3,878' gals 15% HCl acid. Frac w/ 63,329 gals YF140D guar based 40# gel & 332,000#'s 20/40 Ottawa Sand. PRODUCTION PRODUCTION Flowing ATE FIRST PRODUCTION PRODUCTION PRODUCTION PRODUCTION Flowing CHOKE SIZE PROD'N. POR TEST PERIOD TEST PERIOD TO 627 COW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE DISPOSITION OF GAS (Sold, used for fuel, rented, stc.) DEPTH NTERVAL (ND) AMOUNT AND KIND OF MATERIAL USED AMOUNT AND KIND OF MATERIAL USED AMOUNT AND KIND OF MATERIAL USED AMOUNT AND KIND OF MATERIAL USED AMOUNT AND KIND OF MATERIAL USED Frac w/ 63,329 gals YF140D guar based 40# gel & 332,000#'s 20/40 Ottawa Sand. WELL STATUS (Producing or shui-in) Producing Frac w/ 63,329 gals YF140D guar DATE OF TEST PRODUCTION WELL STATUS (Producing or shui-in) Producing GAS-MCF. WATER-BBL OIL GRAVITY - API (CORR.) 48.4 DISPOSITION OF GAS (Sold, used for fuel, rented, stc.)	CIBP set @ 11,153', dump bail 10' cement on top. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 11,044-54' Spot 3,878' gals 15% HCl acid. Frac w/ 63,329 gals YF140D guar based 40# gel & 332,000#'s 20/40 Ottawa Sand. PRODUCTION PROD	74° 3-5/8° 5-1/2°	42# 32# 17#	Lir	575° 3770° 11,332°		14-3/4 11" 7-7/8"	LE SIZE	310 sx 975 sx 1725 sx	Prem Prem K Prem	Plus H Plus Po H 39	Surf oz Cir 12' (T	ace C S)	
CIBP set @ 11,153', dump bail 10' cement on top. DEPTH NTERVAL (ND) AMOUNT AND KIND OF MATERIAL USED 11,044-54' Spot 3,878' gals 15% HCl acid. Frac w/ 63,329 gals YF140D guar based 40# gel & 332,000#'s 20/40 Ottawa Sand. PRODUCTION PRODUCTION Flowing ATE FIRST PRODUCTION PRODUCTION PRODUCTION PRODUCTION Flowing CHOKE SIZE PROD'N. POR TEST PERIOD TEST PERIOD TO 627 COW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE DISPOSITION OF GAS (Sold, used for fuel, rented, stc.) DEPTH NTERVAL (ND) AMOUNT AND KIND OF MATERIAL USED AMOUNT AND KIND OF MATERIAL USED AMOUNT AND KIND OF MATERIAL USED AMOUNT AND KIND OF MATERIAL USED AMOUNT AND KIND OF MATERIAL USED Frac w/ 63,329 gals YF140D guar based 40# gel & 332,000#'s 20/40 Ottawa Sand. WELL STATUS (Producing or shui-in) Producing Frac w/ 63,329 gals YF140D guar DATE OF TEST PRODUCTION WELL STATUS (Producing or shui-in) Producing GAS-MCF. WATER-BBL OIL GRAVITY - API (CORR.) 48.4 DISPOSITION OF GAS (Sold, used for fuel, rented, stc.)	CIBP set @ 11,153', dump bail 10' cement on top. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 11,044-54' Spot 3,878' gals 15% HCl acid. Frac w/ 63,329 gals YF140D guar based 40# gel & 332,000#'s 20/40 Ottawa Sand. PRODUCTION PROD	74° 3-5/8° 5-1/2° 29.	42# 32# 17#	Lir	575° 3770° 11,332°		14-3/4 11" 7-7/8"	LE SIZE	310 sx 975 sx 1725 sx	Prem Prem C Prem	Plus H Plus Po H 39	Surf oz Cir 12° (T NG RECO	ace C S)	PACKER SET (MD)
Perf'd w/ 4" csg gun loaded w/ 2 JSPF @ 180 degree phasing. 11,044-54" (10", 20 shots) PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION Producing or shut-in) Producing or shut-in) Producing ATE OF TEST 12/11/96 24 16/64" TEST PERIOD 59 37 70 GAS-MCF. WATER-BBL. GAS-OIL RATIO 627 DIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY-API (CORR.) 24-HOUR RATE 59 DISPOSITION OF GAS (Sold, used for fuel, remisel, stc.)	Perf'd w/ 4" csg gun loaded w/ 2 JSPF @ 180 degree phasing. 11,044-54" (10", 20 shots) PRODUCTION PRODUCTION PRODUCTION PRODUCTION METHOD (Flowing, gas lift production shut-in) Producting Producting	74° 3-5/8° 5-1/2° 29. SIZE None	42# 32# 17# TOP (M	LIT D) E	575° 3770° 11,332° NER RECORD BOTTOM (MD)		14-3/4 11" 7-7/8"	SCREEN (MD)	310 sx 975 sx 1725 sx 2 sz 2-7	Prem Prem C Prem	TUBU TUBU TUBU DEPTI	Surf oz Cir 12° (T NG RECI 1 SET (MD	ord	PACKER SET (MD)
phasing. 11,044-54' (10', 20 shots) PRODUCTION PRODUCTION PRODUCTION PRODUCTION Flowing Producing ATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. POR TEST PERIOD TEST PERIOD TO GAS - MCF. TEST PERIOD TO GAS - OIL RATIO GAS - OIL RATIO GAS - OIL RATIO TEST PERIOD TO GAS - OIL RATIO GAS - OIL RATIO TEST PERIOD TO GAS - OIL RATIO TEST PERIOD TO TEST WATER - BBL OIL GRAVITY - API (CORR.) A TO DISPOSITION OF GAS (Sold, used for fuel, remisel, sic.)	phasing. 11,044-54' (10', 20 shots) DATE FIRST PRODUCTION PRODUC	74° 3-5/8° 3-1/2° 29. SIZE None 31. PERPORATION RECO	42# 32# 17# TOP (M	LII D) E	575° 3770° 11,332° NER RECORD SOTTOM (MD)	SACKS	14-3/4 11" 7-7/8"	SCREEN (MD)	310 sx 975 sx 1725 sx 1725 sx 2-7	Prem Prem K Prem K Prem FRACTI	Plus H Plus P H 39 TUBL DEPTH 10	Surf oz Cir 12° (T NG RECU I SET (MD ,943°	ord	PACKER SET (MD)
PRODUCTION ATE FIRST PRODUCTION Flowing ATE OF TEST HOURS TESTED CHOKE SIZE 16/64* TEST PERIOD TEST PRODUCTION FRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION WELL STATUS (Producing or shud-in) Producing Producing Producing ATE OF TEST 12/11/96 24 16/64* TEST PERIOD 59 37 70 GAS - MCF. WATER - BBL. GAS - OIL RATIO 627 COW. TUBING PRESS. CASING PRESSURE 24-HOUR RATE 59 37 TO TEST WITNESSED BY	phasing. 11,044-54 (10°, 20 snots) PRODUCTION PRODUCTION PRODUCTION PRODUCTION METHOD (Flowing, gas lift production for shut-in) Producting Producting	74° 3-5/8° 3-1/2° 29. SIZE None 31. PERPORATION RECO	42# 32# 17# TOP (M	LII D) E	575° 3770° 11,332° NER RECORD SOTTOM (MD)	SACKS	14-3/4 11" 7-7/8"	SCREEN (MD) 22. (310 sx 975 sx 1725 sx 2-7, CID, SHOT	Prem Prem Prem Prem Fracti	Plus H Plus P H 39 TUBU DEPTH 10 URE, CEN	Surf oz Cir 12' (T NG RECO 1 SET (MD , 943'	ORD OUEEZE OF MAT	PACKER SET (MD) C, ETC. FERIAL USED
PRODUCTION ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift production) ATE FIRST PRODUCTION Flowing ATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. POR TEST PRODO'N. POR TEST PRODO TEST PRODO TEST PRODO TEST PRODO TEST PRODO TEST PROD TEST PRODO TEST PRODO TEST PRODO TEST PRODO TEST WATER - BBL OIL GRAVITY - API (CORR.) ATE OF TEST TEST PRODO TEST WITNESSED BY	PRODUCTION PRODUCTION METHOD (Flowing, gas lift position in the production of the p	74° 3-5/8° 3-1/2° 31. PERPORATION RECO	42# 32# 17# TOP (M	Lit D) E	575° 3770° 11,332° NER RECORD SOTTOM (MD) mber) 111 10° Cel	sacks ment o	14-3/4 11" 7-7/8"	SCREEN (MD) DEPTH INTER 11,044-54	310 sx 975 sx 1725 sx 2-7, CID, SHOT	Prem Prem Prem Prem Fracti	TUBLI DEPTH 10 JRE, CENAMOUNT 15 3,870	Surfoz Cir 12' (T 12' (T 18ET (MD ,943' MENT SC AND KIND 8' gal 3,329	ORD OUEEZE OF MAT S 153 gals	PACKER SET (MD) C. ETC. FRIAL USED K HC1 acid. YF140D guar
ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift particular for producing or shull-in) Producing or shull-in	DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift profits in the party of	74° 3-5/8° 5-1/2° 29. SIZE None 31. PERPORATION RECO	42# 32# 17# TOP (M	Lin D) E I, size and nu I, dump b	575° 3770° 11,332° NER RECORD SOTTOM (MD) a11 10° ce	sacks ment o	14-3/4 11" 7-7/8"	SCREEN (MD) DEPTH INTER 11,044-54	310 sx 975 sx 1725 sx 2-7, CID, SHOT	Prem Prem Prem Prem Fraction Fr	Plus H Plus Po H 39 TUBU DEPTH 10 URE, CEN AMOUNT t 3,876 c w/ 66	Surf oz Cir 12' (T NG RECO 1 SET (MD , 943' WENT SO AND KIND 8' gal 3,329 gel 8	ORD OUEEZE OF MAT S 153 gals	PACKER SET (MD) C. ETC. FRIAL USED K HC1 acid. YF140D guar
ATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. POR OIL-BBL. GAS-MCF. WATER-BBL. GAS-OIL RATIO 12/11/96 24 16/64" TEST PERIOD 59 37 70 627 COW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE 59 37 70 WATER-BBL. OIL GRAVITY - API (CORR.) 24 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 24 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 24 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 25 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 26 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 27 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 28 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 29 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 20 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 21 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 24 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 25 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 26 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 27 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 28 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 29 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 20 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 29 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 20 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 20 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.) 20 OIL-BBL. GAS-MCF. WATER-BBL. OIL GRAVITY - API (CORR.)		74° 3-5/8° 3-1/2° 31. PERPORATION RECOLUTION CIBP set @ 1 Perf'd w/ 4° phasing. 11	42# 32# 17# TOP (M	Lin D) E I, size and nu I, dump b	575° 3770° 11,332° NER RECORD SOTTOM (MD) a11 10° ce	sacks ment o	14-3/4 11" 7-7/8" n top.	SCREEN (MD) 22. DEPTH INTER 11,044-54	310 sx 975 sx 1725 sx 2-7, CID, SHOT	Prem Prem Prem Prem Fraction Fr	Plus H Plus Po H 39 TUBU DEPTH 10 URE, CEN AMOUNT t 3,876 c w/ 66	Surf oz Cir 12' (T NG RECO 1 SET (MD , 943' WENT SO AND KIND 8' gal 3,329 gel 8	ORD OUEEZE OF MAT S 153 gals	PACKER SET (MD) C. ETC. FRIAL USED K HC1 acid. YF140D guar
LOW. TUBING PRESS. CASING PRESSURE CALCULATED OIL - BBL. GAS - MCF. WATER - BBL. OIL GRAVITY - API (CORR.) CON. TUBING PRESS. CASING PRESSURE CALCULATED OIL - BBL. GAS - MCF. WATER - BBL. OIL GRAVITY - API (CORR.) A DISPOSITION OF GAS (Sold, used for fuel, rented, etc.)		74° 3-5/8° 3-1/2° 31. PERPORATION RECOLUTION CIBP set @ 1 Perf'd w/ 4° phasing. 11	42# 32# 17# TOP (M	Lit D) F I, size and su , dump b un loade 4" (10",	575° 3770° 11,332° NER RECORD SOTTOM (MD) 1011 10° Cel 20 shots) ON METHOD (Flow	sacks ment o	14-3/4 11" 7-7/8" n top. 0 degree	SCREEN (MD) 22. DEPTH INTER 11,044-54	310 sx 975 sx 1725 sx 2-7, CID, SHOT	Prem Prem Prem Prem Fraction Fr	Plus H Plus Po H 39 TUBU DEPTH 10 URE, CEN AMOUNT t 3,876 c w/ 66	Surfoz Cir 12' (T NG RECC 1 SET (MD , 943' MENT SC AND KIND 8' gal 3,329 gel 8 md.	ORD OUEEZE OF MAT S 153 gals 332	PACKER SET (MD) C. ETC. TERIAL USED K HC1 acid. YF140D guar ,000#*s 20/40
50 24-HOUR RATE 59 37 70 48.4 Disposition of Gas (Sold, used for fuel, rented, etc.)	12/11/96 24 16/64> 59 3/ /0 62/	74° 3-5/8° 3-1/2° 31. PERPORATION RECOLUTION CIBP set @ 1 Perf'd w/ 4° phasing. 11	42# 32# 17# TOP (M RD (Internal 11,153°	LIT D) E 1, size and nu 1, dump b un loade 4' (10', PRODUCTIC Flowin	S75° 3770° 11,332° NER RECORD SOTTOM (MD) all 10° ce d w/ 2 JSP 20 shots) ON METHOD (Flow	SACKS ment 0 F @ 18	14-3/4 11° 7-7/8° Top. O degree	SCREEN (MD) DEPTH INTER 11,044-54	310 sx 975 sx 1725 sx 2-7. CCID, SHOT	Prem Prem Prem Prem Fracti	TUBEL TU	Surfoz Cir 12' (T 12' (T 18ET (MD , 943' MENT SC AND KIND 8' gal 3,329 gel 8 nd.	ORD OUEEZE OF MAT IS 153 gals 4 332	PACKER SET (MD) C. ETC. FEIAL USED K HC1 acid. YF140D guar ,000#°s 20/40 Producing or oducing
DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) ACCEPTED FOR RECORD ACCEPTED FOR RECORD		74° 3-5/8° 3-1/2° 3-1/2° 31. PERPORATION RECOLUTION OF THE PRODUCT	12# 32# 17# TOP (M 11.153* CSG GI .044-54	Litted D) E E E E E E E E E E E E E E E E E E	575° 3770° 11,332° NER RECORD SOTTOM (MD) all 10° ce d w/ 2 JSP 20 shots) ON METHOD (Flow g CHOKE SIZE 16/64°	SACKS ment of the same of the	14-3/4 11" 7-7/8" n top. degree	SCREEN (MD) DEPTH INTER 11,044-54 OIL-BBL. 59	310 sx 975 sx 1725 sx 1725 sx 2-7. CCID, SHOT (AL (MD)	Prem Prem Prem Prem Fraction Fr	TUBEL DEPTE 10 JERE, CEN AMOUNT .: 3,876 WATEL 40# SWA SAME AND THE SWA SAME SAME SAME SAME SAME SAME SAME SAM	Surfoz Cir 12' (T 12' (ORD ORD OF MAT S 153 gals 332, FATUS (Fin) Pr	PACKER SET (MD) C. ETC. ERIAL USED K HC1 acid. YF140D guar ,000#'s 20/40 Producing or Oducing GAS-OIL RATIO
1900 to the thinks	M. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sales, Lease Use ACCEPTED FOR RECORD	74° 3-5/8° 3-1/2° 31. PERPORATION RECOLUTION Perf'd w/ 4° phasing. 11 DATE PIRST PRODUCTION DATE OF TEST 12/11/96 FLOW. TUBING PRESS.	42# 32# 17# TOP (M RD (Interval 1.153° CSG 90044-54	Litted D) E E E E E E E E E E E E E E E E E E	S75° 3770° 11,332° NER RECORD SOTTOM (MD) all 10° ce d w/ 2 JSP 20 shots) ON METHOD (Flow g CHOKE SIZE 16/64° CALCULATED	SACKS ment of the same of the	14-3/4 11" 7-7/8" n top. degree	SCREEN (MD) DEPTH INTER 11,044-54 OIL-BBL 59 GAS-MCF.	310 sx 975 sx 1725 sx 1725 sx 2-7. CCID, SHOT (AL (MD)	Prem Prem Prem Prem Fraction Fr	TUBEL DEPTE 10 JERE, CEN AMOUNT .: 3,876 WATEL 40# SWA SAME AND THE SWA SAME SAME SAME SAME SAME SAME SAME SAM	Surfoz Cir 12' (T 12' (ORD ORD OF MAT S 153 gals 332, FATUS (Fin) Pr	PACKER SET (MD) C. ETC. ERIAL USED K HC1 acid. YF140D guar ,000#'s 20/40 Producing or Oducing GAS-OIL RATIO
LIST OP ATTACHMENTS	S. LIST OP ATTACHMENTS	74° 3-5/8° 3-1/2° 31. PERPORATION RECOLUTION CIBP set @ 1 Perf'd w/ 4° phasing. 11 33.° DATE FIRST PRODUCTION DATE OF TEST 12/11/96 PLOW. TUBING PRESS. 50 M. DISPOSITION OF GAS	12# 32# 17# TOP (M RD (Interval 1.153* CSG 91 .044-54 HOURS TE 24 CASING PI (Sold, used	LITED IN TOTAL TO THE PRODUCTION Flowing STEED RESSURE	575° 3770° 11,332° NER RECORD SOTTOM (MD) onbor) all 10° ce d w/ 2 JSP 20 shots) ON METHOD (Flow g CHOKE SIZE 16/64° CALCULATED 24-HOUR RATE	SACKS ment of the same of the	14-3/4 11" 7-7/8" n top. degree	SCREEN (MD) DEPTH INTER 11,044-54 OIL-BBL 59 GAS-MCF. 37	310 sx 975 sx 1725 sx 2-7 2-7 (CID, SHOT (AL (MD))	Prem Prem Prem Prem Fraction Fr	TUBE POR H 39 TUBE DEPTH 10 TUBE 10 TU	Surfoz Cir 12' (T 12' (T 12' (T 12' (T 12' (T 12' (T 13' (T) 14' (T) 15' (T) 16' (T) 1	ORD OUEEZE OF MAT IS 153 gals 4 332, FATUS (Fin) Pr 6	PACKER SET (MD) C. ETC. ERIAL USED K HC1 acid. YF140D guar ,000#'s 20/40 Producing or Oducing GAS-OIL RATIO
The state of the s		74° 3-5/8° 3-1/2° 39. SIZE None 31. PERPORATION RECOLUTION CIBP Set © 1 Perf'd w/ 4° phasing. 11 DATE FIRST PRODUCTION DATE OF TEST 12/11/96 PLOW. TUBING PRESS. 50 M. DISPOSITION OF GAS (Sales, Lease U S. LIST OF ATTACHMEN	12# 32# 17# TOP (M RD (Interval 11.153° CSG GI 1,044-54 HOURS TE 24 CASING PI (Sold, used ISE	LITED IN TOTAL TO THE PRODUCTION Flowing STEED RESSURE	575° 3770° 11,332° NER RECORD SOTTOM (MD) onbor) all 10° ce d w/ 2 JSP 20 shots) ON METHOD (Flow g CHOKE SIZE 16/64° CALCULATED 24-HOUR RATE	SACKS ment of the same of the	14-3/4 11" 7-7/8" n top. degree	SCREEN (MD) DEPTH INTER 11,044-54 OIL-BBL 59 GAS-MCF. 37	310 sx 975 sx 1725 sx 2-7 2-7 (CID, SHOT (AL (MD))	Prem Prem Prem Prem Fraction Fr	TUBE POR H 39 TUBE DEPTH 10 TUBE 10 TU	Surfoz Cir 12' (T 12' (T 12' (T 12' (T 12' (T 12' (T 13' (T) 14' (T) 15' (T) 16' (T) 1	ORD OUEEZE OF MAT IS 153 gals 4 332, FATUS (Fin) Pr 6	PACKER SET (MD) C. ETC. ERIAL USED K HC1 acid. YF140D guar ,000#'s 20/40 Producing or Oducing GAS-OIL RATIO
zeroby certify that the foregoing and attached information is complete and correct as desermined from all available rechains	SIGNED James H. Wilber Title Production Clerk 1/22/97	74° 3-5/8° 3-1/2° 31. PERPORATION RECOLUTION TO ATE OF TEST 12/11/96 PLOW. TUBING PRESS. 50 M. DISPOSITION OF GAS US. LEST OF ATTACHMEN MA	TOP (M TOP (M RD (Interval 11.153° CSG 91 .044-54 HOURS TE 24 CASING PI Sold, used ISE	LIT D) E I, size and nu , dump b un loade 4' (10', PRODUCTIC Flowin ESTED RESSURE for fuel, rent	S75° 3770° 11,332° NER RECORD SOTTOM (MD) 121 10° Cel 20 shots) CHOKE SIZE 16/64° CALCULATED 24-HOUR RATE	sacks ment of the same of the	14-3/4 11" 7-7/8" n top. degree	SCREEN (MD) DEPTH INTER 11,044-54 OIL-BBL 59 GAS-MCF. 37	310 sx 975 sx 1725 sx 1725 sx 2-7 2-7 ACID, SHOT VAL (MD)	Prem Pr	TUBE POLICE TO BE	Surfoz Cir 12' (T 12' (T 12' (T 12' (T 12' (T 12' (T 13' (T) 14' (T) 15' (T) 16' (T) 1	ORD OUEEZE OF MAT IS 153 gals 4 332, FATUS (Fin) Pr 6	PACKER SET (MD) C. ETC. ERIAL USED K HC1 acid. YF140D guar ,000#'s 20/40 Producing or Oducing GAS-OIL RATIO

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 jurisdicton.

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

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

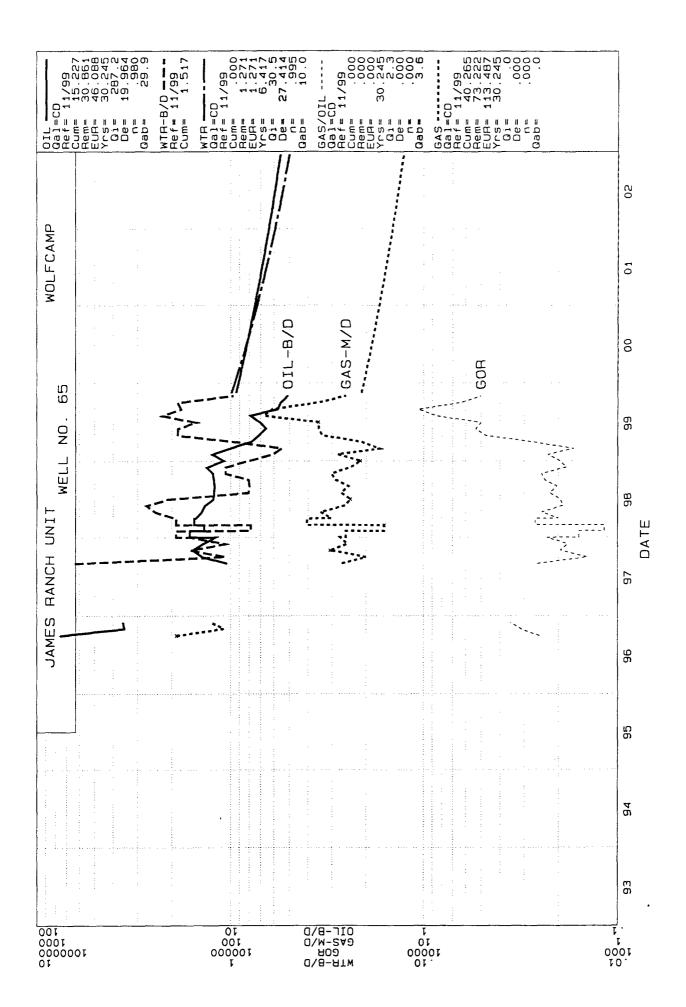
WELL 14	AMES RANCH UNIT #65	FORMATION	WOLFCAMP
OCATION B U	NIT, 330 FEET FROM NORTH	LINE & 2310	FEET FROM <u>EAST</u> LIN
ECTION6TOWNSHIP	23S , RANGE 31E , COUNT	Y EDDY	, NEW MEXICO
PUD DATE 7/18/96 C	OMPLETION DATE 8/30/96	INITIAL PRODUCTION	8/31/96
ERFORATIONS 11200-210'			
TIMULATION:			
ACID 11200-210', 33	6 GALS. 15% HCL		
FRACTURE 1	1200-210', 28,960 GALS YF 140 GEL + 144,00	00# 20/40 OTTAWA SAND +	- 5000# 20/40 ECONO-PROP
•			
OTENTIAL <u>9/5/96 141 BOPD, 0 BWPD,</u>	289 MCFPD		
OTENTIAL 9/5/96 141 BOPD, 0 BWPD, Attach Copy of C-105. Attach Copy of Wel			
	VOLUMETRIC CALCUL	ATION SANDS NO	OT PERFORATED BUT
Attach Copy of C-105. Attach Copy of Wel	VOLUMETRIC CALCUL SANDS PERFORATED	ATION SANDS NO	OT PERFORATED BUT LLY PRODUCTIVE
Attach Copy of C-105. Attach Copy of Wel	VOLUMETRIC CALCUL SANDS PERFORATED 40	ATION SANDS NO	
Attach Copy of C-105. Attach Copy of Wel	VOLUMETRIC CALCUL SANDS PERFORATED 40 12.1%	ATION SANDS NO	
Attach Copy of C-105. Attach Copy of Well area (A) proration unit size, acres prosity (por), % Vater saturation (Sw), %	SANDS PERFORATED 12.1% 43%	ATION SANDS NO	
Attach Copy of C-105. Attach Copy of Well area (A) proration unit size, acres prosity (por), % fater saturation (Sw), % let Thickness (h), ft.	SANDS PERFORATED 40 12.1% 43% 31.5	ATION SANDS NO	
Attach Copy of C-105. Attach Copy of Well Area (A) proration unit size, acres orosity (por), % Vater saturation (Sw), % let Thickness (h), ft. emperature (T), Fahrenheit	SANDS PERFORATED 40 12.1% 43% 31.5 170	ATION SANDS NO	
Attach Copy of C-105. Attach Copy of Well Area (A) proration unit size, acres orosity (por), % Vater saturation (Sw), % Het Thickness (h), ft. Temperature (T), Fahrenheit ottom Hole pressure (P), psia	SANDS PERFORATED 40 12.1% 43% 31.5	ATION SANDS NO	
	SANDS PERFORATED 40 12.1% 43% 31.5 170 6,051	ATION SANDS NO	

Commercial Determination Page #1 2/10/00

PERFORMANCE DATA

(If sufficient history exists,	attach plot of oil production ra	nte v time.)			
CUMULATIVE PRODUC	TION TO11/1	1/99 ;	15227 BBLS		
INITIAL RATE (qi)	_		287		
ECONOMIC LIMIT (qI)	_		30		
DECLINE RATE, dy	_	Hyperbolic d	= 19.96% n = .98		
REMAINING OIL (Q) =	_		22073		
ULTIMATE RECOVERAB	BLE OIL _		37300		
(Attach plat showing prora	ation unit and participating area	.)			
		EC	ONOMIC		
WELL COST \$	825,000 (to the depth	of formation completed)			
RECOMPLETION COST	\$				
TOTAL COST \$	825,000				
YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW	
ZERO	0	O	0		
	4,400			-825,000	
1	· -	112,300	13,200	97,500	
2	2,000	56,800	18,600	35,200	
3	5,200	77,200	20,000	47,600	
4	3,500	72,600	19,700	39,900	
5	2,800	73,400	19,700	36,600	
6	2,500	55,800	18,500	23,100	
7	2,200	45,200	17,700	15,400	
8	1,900	37,900	17,200	10,500	
9	1,700	33,700	16,900	7,700	
10	1,500	30,400	16,500	5,700	
REMAINDER	9.600	194,100	147.800	14.100	

WELL IS NOT COMMERCIAL



JRU # 65 WOLFCAMP PREPARED BY: KENT ADAMS

DATE : 02/07/00
TIME : 13:29:49
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 7

			ı n	PUT D.	ATA				CAL	CULAT	ED DAT	A
ITEM	SCHEDULING RATES	RATE	03	SCHEDULE	UNTIL	PROCEDURE		ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
405 START												
410 OIL 415 "	287.21 64.10	××	B/M B/M	03/2015 AD 8.00 IMU	AD IMU	H/0.980 EXP	19.96 5.00	38.087 46.088	2/15 1/30	19.96 5.00	287. 64.	64. 30.
420 GAS/OIL	2.26	3.5	8 M/B	01/2097 AD	AD	FOG	TIME		12/96			
425 WTR	30.50	×	в/м	1.27 IMU	DWI	H/0.995	27.41	1.271	3/06	27.41	31.	10.
430 START	9/96											
	16.8800	×	\$/B	1/95	XX/WW	PC	.00		1/30		16.880	
518 "	18.39	× ×	s/8 8/8	1/96 1/97	8 8	ያ ያ	. 00		1/30		18.390	32
	20.74	×		1/98	g	P S	. 00		12/97		20.740	20.740
	14.43	< ×	s/B	1/99	8 8	8 8	. 00		12/98		14.430	14.430
522 "	24.94	×	\$/B	1/2001	8 6	od o	. 00		12/00		24.940	24 940
	20.67	×		1/2002	ð	P	.00		12/01		20.670	20.670
	18.18	× >	# \# *	1/2003	å è	ָל ה			12/02		19.200	19.200
526 "	18.13	×	\$/B	TO	LIFE	PC	.00		1/30		18.130	18.130
	1.8900	×	\$/M	1/95	XX/WW	Ođ	.00		1/30		1.890	
533 = :	2.61	× ×	γ.γ. Χ.Υ.	1/96	8 8	מ מ	. 00		12/96		1.940	2
534 *	2.59	×	S/M	1/98	AD UA	PC	.00		12/97		2.590	2.590
	2.11	× ×	ν ν Χ Χ	1/2000	ð	S S	. 00		12/98		2.110	2.110
	2.60	×	W/S	1/2001	AD	PC .	. 00		12/00		2.600	2.600
539 =	2.57	××	E N	TO 2002	LIFE	Ŋ 'n	. 00		12/01 1/30		2.580 2.570	2.580 2.570
544 OPC/T	1190.00	×	M/\$	To	LIFE	SCH	OPC		1/30	•	1190.000	1190.000
549 STX/OIL- 554 STX/GAS	7.08 7.93	××	* *	70	HIFE	P C	. 00		1/30 1/30		.071	.071
559 ATX	.17	×	*	70	LIFE	PC	. 00	·	1/30		.002	. 002
564 PRI/OIL 569 PRI/GAS	9100 1300	9100 1300	M/\$ 0	TO TO	LIFE	PC	. 00		1/30 1/30		910 130	18.130 2.570
700 LSE/WI	100.0000	D	ale.	то	LIFE	FLAT	.00		1/30		1.000	1.000
701 OWN/WI	100.0000	ט	**	To	LIFE	FLAT	. 00		1/30		1.000	1.000
720 LSE/RIC	12.5000	b	*	To	LIFE	FLAT	. 00		1/30		.125	. 125
721 OWN/RI	.0000	ט	ap.	JO	LIFE	FLAT	. 00		1/30			
740 LSE/RIG 760 LSE/ORR	12.5000	ם ם	æ æ	TO	LIFE	FLAT FLAT	. 00		1/30 1/30		.125	. 125

PROJECT ASSUMPTIONS BASE DATE : 9/9 P.W. DATE : 9/9 REPORT DATE : 9/9	201 LOSS NO 205 CUMO, MB 15.23	RESERVE PARAMETERS	INVESTMENT 800 DRILL 801 SALVAGE	761 OWN/ORR OVERLAYS 905 LOAD F 910 LOAD F 915 LOAD F
9/96 9/96 9/96	IO 15.23	ETERS	TANGIBLES 330.00	.0000 D SCHEDULING RATES P.OIL OIL # P.GAS GAS # P.WATER WTR #
TIME FRAMES: 1*4 PW %-AGE: 10. PROD QUAL: CD	CUMG, MMF	ITEM	TANGIBLES & INTANGIBLES 330.00 495.00 M\$G -33.00 .00 M\$G	D &
1*4 38*12 1*600 10.0 DIS	40.26		TIME 09/96 TO	TO LIFE SCHEDULE UNTIL
1*600 DISC.			AD LIFE	LIFE
600 DISC. FREQUENCY: 365.	CUML, MB	ITEM	PROCEDURE	FLAT .00
	: 1 5 6 6 2 1		TOTAL T&I 825.000 -33.000	ULTIMATE 15.380 41.032
OTHER QUAL : CD			MONTH 9/96 1/30	1/30 LAST 2/00 6/99
 g	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		RISK INV.	EFF. DECL
			TOT. T&I&R 	INIT. RATE
			ESC. T&I&R	FINAL RATE

J

JRU # 65 WOLFCAMP PREPARED BY: KENT ADAMS

DATE : 02/07/00
TIME : 13:29:49
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 7

RESERVES AND ECONOMICS EFFECTIVE DATE: 9/96

			7 0	EFFEC	EFFECTIVE DATE:	E: 9/96	2 3	۲. د					
PERIOD ENDING	12/96	12/97	12/98	12/99	12/00	_	12/02	12/03	12/04	12/05	s Tor	AFTER	18.7 YR TOTAL
OWNERSHIP	; ; ; ;	! ! ! !	1	1	!	!	1	1	1	1	1	;	;
1) WORKING INTEREST, & 2) REVENUE INTEREST, &	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000	100.000 87.500	100.000 87.500	100.000 87.500	100,000 87.500	100.000 87.500
INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	.0 825.0 .0 825.0					,			. ,		.0 825.0 .0 825.0	-33.0 -33.0	.0 792.0 .0 792.0
OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	4.4 3.9 82.7 21.35	2.0 1.8 35.1 19.83	5.2 4.5 61.0 13.52	3.5 3.0 55.4 18.34	2.8 2.4 58.7 24.03	2.5 2.2 43.5 19.76	2.2 1.9 34.6 18.29	1.9 1.7 28.6 17.27	1.7 1.5 25.4 17.22	1.5 1.3 22.9	27.6 24.2 24.7 447.8 18.53	9.6 8.4 145.2 17.22	37.3 32.6 593.0 18.19
GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, MS	13.7 12.0 29.6	10.1 8.9 21.8	9.3 8.2 16.2	9.2 8.1 17.2	6.8	5.7 5.0	5.0 4.3	4 & Q 4 & Q	 	3.5 3.1	71.6 62.7 147.6	22.9 20.0	94.5 82.7 196.5
WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	.2	. 000	. 000	. 3	. 000	.000	. 000	. 000	. 000	. 000	1.5	 0	1.5
GR	112.3	56.8 4.2	77.2 5.6	72.6 5.3	73.4 5.3	55.8 4.1	45.2 3.3	37.9 2.8	33.7 2.5	30.4 2.2	595.4 43.4	194.1 14.2	789.5 57.6
1111		14.3 .0	14.3	14.3	14.3 .0	4.1 14.3 .0	14.3 .0	2.8 14.3 .0	2.5 .1 14.3 .0	2.2 .0 14.3 .0	43.4 .9 133.3 .0	14.2 .3 .33.3 .0	57.6 1.2 266.6 .0
# + # + I	.0 .0 .99.2 825.0 -725.8	38.3 38.3 38.3	.0 .0 57.2 .0 .0	53.0 53.0	.0 .0 53.7 .0 53.7	37.4 37.4 37.4	.0 .0 27.5 .0 27.5	20.8	.0 .0 16.9 .0	13.8 13.8	.0 .0 .0 417.8 825.0 -407.2	.0 .0 .0 .0 46.4 -33.0	.0 .0 .0 464.1 792.0
31) NET INCOME 32) INVESTMENTS & RISK 33) BFIT NET 34) CUM BFIT NET	97.5 825.0 -727.5 -727.5	35.2 .0 35.2 -692.2	47.6 .0 47.6 -644.6	39.9 .0 .9 .9	36.6 .0 36.6 -568.1	23.1 .0 .23.1 -545.0	15.4 .0 15.4 -529.7	10.5 .0 10.5 -519.1	7.7 .0 7.7 -511.4	5.7 .0 5.7 -505.7	319.3 825.0 -505.7	14.1 -5.1 19.2 -486.5	333.4 819.9 -486.5

DATE : 02/07/00
TIME : 13:29:49
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 7

}

AFTER TAX ECONOMICS

.0 23.8	REVENUE-SEV-WPT 104.1 52.6 71.6 67.3 68.1 51.8 41.9 35.2	- DEPLETION .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	4) GROSS REV. TO INTR. 112.3 56.8 77.2 72.6 73.4 55.8 45.2 37.9 33 5) - SEVERANCE TAX 8.2 4.2 5.6 5.3 5.3 4.1 3.3 2.8 2 6) - WPT TAX NET .0 .0 .0 .0 .0 .0 .0 7) - OPR. COSTS & ATX 4.9 14.4 14.4 14.4 14.4 14.4 14.3 14 8) + NPI OWNED - PAID .0 .0 .0 .0 .0 .0 .0 9) - OVERHEAD .0 .0 .0 .0 .0 .0 .0 .0 10) - EXPENSED INV. 495.0 .0 .0 .0 .0 .0 .0 .0 11) - DEPRECIATION 15.7 58.4 73.1 52.2 37.3 29.5 29.5 29.5 12.1 12.1	PERIOD ENDING 12/96 12/97 12/98 12/99 12/00 12/01 12/02 12/03 12/ TAX TREATMENT OF INVESTMENTS, M\$ 1) EXP, RISK & CAP INT 495.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .
			13 1 7	ECTIVE 9 12 0
32.7	8	.00 5.00 5.7	73. 4	E DATE:
21.4	111 12 4 4 14 4 4 14 4 4 16 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	35.0 2.8	55.8 4.1 14.4 .0 .0 .0 .0 .0	, –
15.7	41.9 14.4 7 28.2 .0 .0 28.2 .0 28.2	-1.9 35.0 .0	45.2 3.3 3.4 14.4 0 0 29.5	.0
12.0	35.2 14.3 .0 23.8 .0 23.8 .0 23.8	35.0 35.0 -3.0	37.9 2.8 2.0 14.3 1.0 0	.0
5. 8	31.2 14.3 .0 4.2 12.7 .0 .0 .0 .0 .0	12.0 35.0 .0	33.7 2.5 2.5 14.3 .0 .0	12/04
3.7	28.2 14.3 4.8 9.0 .0 .0 9.0	8000800	30.4 2.2 2.3 14.3 .0	.0
464.3	552.0 134.2 -142.5 560.3 .0 .0 560.3 825.0 -264.7	-407.2 35.0 .0 -142.5	595.4 43.4 134.2 134.2 0 139.0 0	S TOT 495.0
9.1	180.0 133.6 16.2 30.1 .0 .0 30.1 -33.0	46.4 35.0 .0	194.1 14.2 3.6 133.6 .0	AFTER
473.4	731.9 267.8 0 -126.3 590.4 .0 .0 590.4 792.0	-360.9 35.0 .0	789. 57. 267. 495.	18.7 YR TOTAL 495.0 297.0

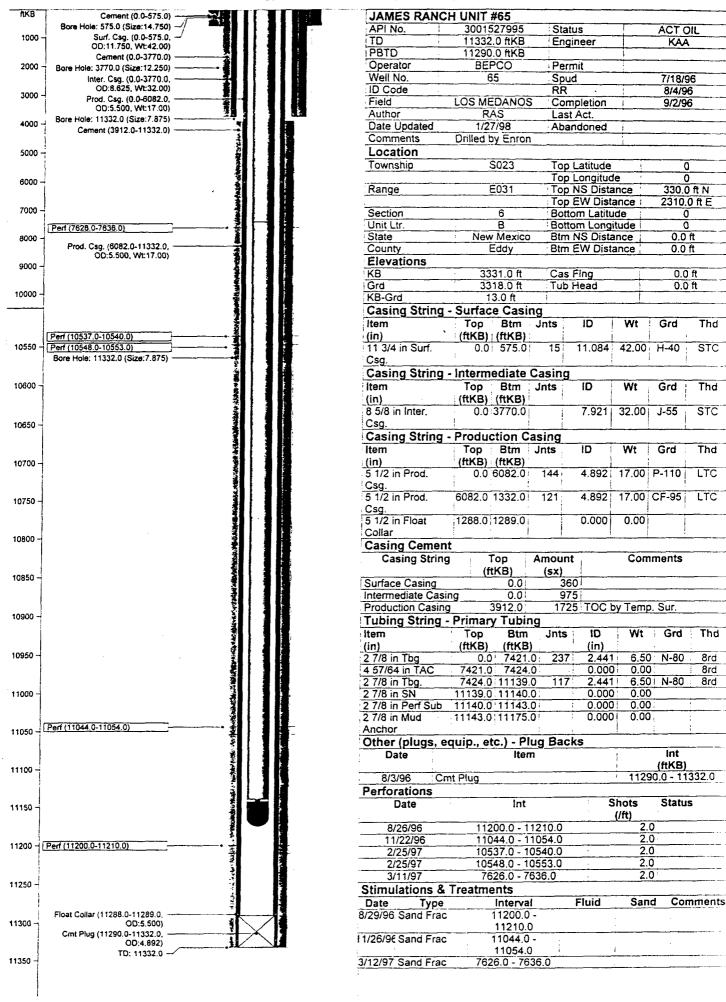
}

DATE : 02/07/00
TIME : 13:29:49
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 7

ECONOMIC INDICATORS

AS OF DATE: 9/96

	. 58	ET/INVEST41	DISCOUNTED NET/INVEST.
	. 75	NET/INVEST59	UNDISCOUNTED NET/INVEST.
	18.67	AYOUT, YRS. 18.67	DISCOUNTED PAYOUT, YRS.
	18.67	PAYOUT, YRS. 18.67	UNDISCOUNTED PAYOUT,
	.0	RN, PCT0	RATE OF RETURN,
-616.224	-582.368	-708.837	100.
-601.870	63.6	-694	
-592.914		-685	70.
	-537.345	-673.	60.
	-519,410	-657	50.
-551.757	-496.226	-636.	40.
	-464,842	607.314	30.
-495.376	-419.497	562,527	20.
-440.410	-346,451	-486.475	10.
-424.106	-325.796		88
-404.614	-301.970	-438	6
-393.303	-288.619		5.
-350.283	-241.186	371.810	2
-310.104	-201.568	327.873	0
		KATE-OF-KETURN VS. BONUS TABLE	KATE-OF-KETO
		WORTH PROFILE AND	PRESENT WORT
M\$	M\$	М\$	
BONUS	WORTH	WORTH	
A.F.I.T.	A.F.I.T.	B.F.I.T.	



WELL HISTORY

WELL NAME:

JAMES RANCH UNIT #65

FIELD NAME:

LOS MEDANOS (WOLFCAMP)

LOCATION:

330' FNL & 2310' FEL SEC 6, T-23-S, R-31-E

EDDY CO., NM

ELEV:

3318' GL, 3331.2'KB

SPUD DATE:

7/8/96

COMP DATE:

9/2/96

ORIG TD:

11,332'

ORIG PBTD:

11,290'

CASING:

16" CONDUCTOR SET @ 40'

10 CONDOCTOR SHIP 40

11 3/4" 42#, H-40,ST&C CSA 575', CMT W/360 SXS CL H, CMT CIRC TO SURFACE

8 5/5" 32#, J-55, ST&C CSA 3770', CMT W/975 SXS, CMT CIRC TO SURFACE

5 1/2", 122 JTS, 17# CF95, LT&C AND 145 JTS 5 1/2 17# P-110 & CF-95, LT&C CSA 11,332',
CMT W/1725 SXS PREM 50/50 POZ A. TOC @ 3912' BY TEMP SURVEY

TUBING:

DST:

NONE

CORES & LOGS:

NO CORES

LOGS: HALLIBURTON, DILL-SGRD/SDL-DSN; 8-1-96

INITIAL COMPLETION

8-24-96 through 8-30-96 INITIAL COMPLETION

8-24-96 Bass to complete well.

8-26-96 RIH W/GR-CCL tool & log intervals 11,283-10,283', 8000-7000', and

6050'-5850'. PERF 11,200'-11,210'(Wolfcamp) w/2 JSPF/180 deg

phased, 20 shots.

8-29-96 Load hole w 136 bbls 2% KCL, pump 18 bbls 15% HCL w/additives

across WC perfs, break fm @ 3900# psi, pump @ 4000 psi, ISIP 3950 PSI and 3720 PSI after 10 min. RU Dowell and frac well with 28,960 gals YF-140 gel + 144,000# 20/40 Ottawa sand + 5,000# 20/40 econo

prop. Well screened out

Tag up @ 11,212' on soft fill (frac sand) Run flowing 10/18/96 to 10/29/96

gradient pressure tests. Set BHP bomb, SI 5 days for BU. Attempt to retrive BHP tools, stuck w/frac sand. Bailed sand, recovered

BHP tools. Return well to prod.

WELL HISTORY
JAMES RANCH UNIT #65
PAGE 2

- 12/26/96 POH w/3 ½" tbg & LD, RIH w/2 7/8" tbg, EOT @ 10,943'. Swabbed and left well flowing to battery. AWO: 1-7-97 F 96 BOPD + 94 BWPD + 146 MCF on 16/64" ck. 80# FTP, no sand.
- 2/8/97 Run BHP test.

- 8/11/97 to 8/19/97 DO CIBP'S & COMMINGLE ALL ZONES

 DO CIPB @ 7900', DO CIPB @ 10,750', DO CIPB @ 11,153'. Drill out fill to 11,332' PBTD (new). Flow and clean up well. Tag fill @ 11,284'. RIH w/tbg, rods & pump. Place well on prod.

 AWO: 9/2/97 99 BO, 5 BW, 217 MCF.

DISTRICT I P.G. Ser 1986, Kabba, NM 86241-1980 State of New Mexico

Lacry, Macrais and Nelaral Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

State Lease - 4 Copies Pee Lanes - 3 Copies

DISTRICT II ".O. Drawer DD. Artenia, NK 88811-0719

LISTRICT III 1000 Rio Brazos Rd., Astec, NM 57410

OIL CONSERVATION DIVISION

Santa Fe, New Mexico 87504-2088

DISTRICT IV

P.O. Box 2068, Santa Fe, NM 57604-2068

P.O. Box 2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-27995	Pool Code	Pool Name LOS MEDANOS (WOL	
Property Code	·	erty Name RANCH UNIT	Well Number 65
OGRID No.	Opera	itor Name	Elevation
001801	BASS ENTERPRI	SES PRODUCTION CO	3318

Surface Location

UL or lot No.	Section	Township	Range	Lot idn	Peet from the	North/South line	Feet from the	Rast/West line	County
LOT 2	6	23 S	31 E		330	NORTH	2310	EAST	EDDY

Bottom Hole Location If Different From Surface

							1244		•
UL or lot No.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/Vest line	County
Dedicated Acres	Joint o	r infill (Consolidation	Code Oz	rder Na.				
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

<u></u>	OR A NON-STANDARD UNIT HAS BEEN APPROVE	D BI THE DIVISION
LOT 4 40.45 AC.	3320.3' 319.8' 2310' 231	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my insurindge and bellet. William R. Dimmell Stepature
LOT 5 40.79 AC.		William R. Dannels Printed Name Division Drilling Supt. Title February 2, 1996 Date SURVEYOR CERTIFICATION
LOT 6 40.95 AC.		J hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison and that the same is true and correct to the best of my belief. JANUARY 22, 1995 Date Surveyschilling JUP Signature of Best of July Profosional Surveyor Company
LOT 7 41.15 AC.		Certificate No. 196-1: 2093 Certificate No. 1944 50550 576 10770753500 510500 12641

(July 1903)	D	EPAR		T 75			TRIOF			Sea C 1	-	Ex	pir es : Fe	. 1004-0137 Shrowry 28, 1995
		BUR	EAU OF	LAND	MANA	SEMENT				everse side	1 7 '	ease des NM 028		AND SERIAL NO.
WELL CO	MPLE	TION	OR F	RECO	MPL	ETIO	N REP	ORT	AND	LOG	± 6.0	P INDIAN,		E OR TRIBE NAME
Is. TYPE OF WEL	L:	Off	X	SYS []	DRY 🗆	Other					NIT AGRE	EMENT N	AME
b. TYPE OF COM						•	: .				-	lames (Ranch	Unit
AET X	OVER	☐ BH		PLUG		SESVR.	Other				- 1. F	ARM OR L	EASE NA	ME. WELLING.
2 NAME OF OPERAT		aductio	n Ca								'	lames R	lanch	Unit #65
J. ADDRESS AND			in co.								1 7. 2	PI WELL N	o.	
P.O. BOX 276									(915) 6	83-227		30-015		R PELDOAT
At surface 330° FNL & 21 At top prod. interv	310° FE	-	early and	OI accorda	ner vun	any sale m	ám resident s I					.os Hec	ianos	(Wolfcamp)
Same At total danth	ai reported (Æ10 -									A	SEC., T., R NO SURVE	Y OR ARI	
Same	_				14. PI	RMIT NO.		JAC	E 1250ED	 -	112 3	OUNTY OR		137 21VE
					<u> </u>						Edd			New Mexico
7/18/96	1	e t.d. read 2/96	CHED	17. DATE		Ready to pro	4.)		S18° GL				19. EL	EV. CASINCHEAD
M. FOTAL DEPTH, MD		21. PLUG		D., MD & T		2. IF MULTI HOW MAN	PLE COMPL.	<u> </u>	77. 04	TERVALS VILLED BY	, 2	OT ARY TO		CABLETOOLS
11,332		11,2					31ng	le		<u></u>	0	-11,33		
24. PRODUCTIO ENTER 11,200-11,210			ZTION - T	OP, BOTTO	M, NAME	() DNA DM).	∕ •0)•						25.	WAS DIRECTIONAL SURVEY MADE NO
IS TYPE ELECTRIC AN											-	<u>_</u>	27. ¥AS	WELL CORED
Spectral Dens	ity Ou	1 Spac	ed Neu				on Later		-:0					Мо
CASING SIZE/GRADE	₩E	KHT, LBJF	т. Т	DEPTH SET			LE SIZE	12 04		P CEMENT	CEMENT	ING RECO	RD RD	AMOUNT PULLED
1-3/4*	42#			75		14-3/4	4.			Premi				
/8 *	32#			770'		11-				Prem (
-1/2"	17#		1:	1,332'		7-7/8	• 		1725 s	x Prem	H 39	12. (1	2)	
7 9.	<u> </u>		INER RI	FCORD		<u> </u>			1 70.		Tirki	ING REC) P D	
TIZE	TOP (M	T .	SOTTOM	T T	SACKS	CEMENT	SCREEZ	(CMD)		ZE		H SET (MD)		PACKER SET (MD)
None									2-7	/8*	1:	.092		
							1							
n. responsition reco Perf'd with				ed with	2 JS	PF 2 18	DEEDY	AC	CID, SHOT					ETC.
degree phas							11.20							als of YF140
deal es bilda	111g. L	1,200-1	1,410	(10 ,	20 3	110 (23)	13,13	1						/40 Ottawa
										san	G & 5	.000=	20/4	O Econo-Prop
						and and T	100							
).* DATE FIRST PRODUCTION	٧	PRODUCT	ON MET	HOD I Flows		PRODUCTI ft, pumping	- size and ty	pe of pu	mp)			WELL ST	ATUS (P)	roducing or
8/31/96		Flowt	ng									zitzut-t	PF0	educing
9/5/96	HOURS TE	यक	j	E SIZE 164"		N. FOR	141		289	CF.	O	R - 88L.		149
LOW. TUBING PRESS.	CASING PI	LESSURE		LTATED UR RATE	08.	BL		- MCF.		WATER .	881	1	6.9	TTY - API (CORR.)
70 I. DISPOSITION OF GAS (Soid, used	for fuel re	sted, etc.		141		289			10	TEST 9	MINESSED		
Sa 1d				·			,,,,							
i. Ust of ATTAGIMEN 2 Sets of Logs														
i. I haven'y constly that the fo	. ,												10.10	a 10¢
CNED CAN	<u>u 3</u>	<u>. 40'</u>	ube	<u>. </u>		mue <u>Pro</u>	duction	Cler	K			DATE	10/0	2/30

乙基氨基子

		TRUE VERT. DEPTH	268	716	3698	3950	0182	11,084	
THE LEGIS IN THE PROPERTY OF T	401	MEAS. DEPTH	288	7. 917	3698	3950 3	7810 7	11,004	
		MANE	Rustler	10 E 10.	7 145 0888	l ama r	Bone Spring	Wolfcamp	
DESCRIPTION CONTENTS STO	I, CONTENIS, ETC.	· .			-				
DESCRIPTION	TI LIVE TO THE TOTAL TO THE TOTAL TO			-					
807154									
106									
FORMATION			•						

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

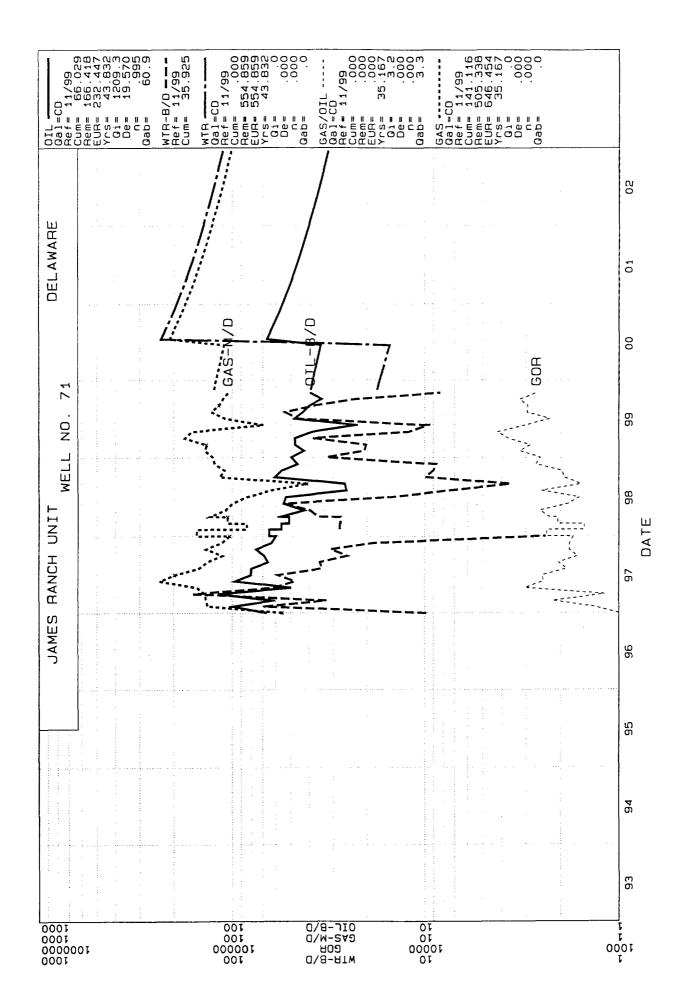
WELL DATA

WELL	JAME	S RANCH UNIT NO. 71	FORMATIC	DELAWARE
OCATION	AU	INIT, 330 FEET FROM N	LINE & 660	FEET FROM E LINE
SECTION	36TOWNSHIP	225 , RANGE , COU	NTYEDD	Y , NEW MEXICO
SPUD DATE	<u>9/14/94</u> C	COMPLETION DATE 11/25/96	INITIAL PRODUCTION	N11/25/96
PERFORATIO	ONS <u>7566-7574'</u>	A		
STIMULATIO	DN:			
	ACID 500 GALS 7-1/3	2% FERCHECK SC ACID.		
	FRACTURE 2	8,000 GALS DELTA FRAC, 96,500# 20/	40 BROWN SAND, & 24,00	00# 16/30 BROWN SAND
	W	VITH 0.5% PROP WRAP.		
			 	
OTENTIAL	1/2/97 144 BO	PD. 86 BWPD. 149 MCFPD.		
POTENTIAL				
		PD, 86 BWPD, 149 MCFPD.		
		ellbore Sketch of Completed Well.)	ULATION	OT PERFORATED BUT
		ellbore Sketch of Completed Well.)	ULATION SANDS NO	
Attach Copy		VOLUMETRIC CALC	ULATION SANDS NO	DT PERFORATED BUT
Artach Copy	of C-105. Attach Copy of We	VOLUMETRIC CALC	SANDS NO POTENTIA	OT PERFORATED BUT LLLY PRODUCTIVE
Artach Copy Area (A) pror	of C-105. Attach Copy of We	VOLUMETRIC CALC SANDS PERFORAT	SANDS NO POTENTIA	OT PERFORATED BUT LLLY PRODUCTIVE
Artach Copy Area (A) pror Porosity (por), Vater saturation	of C-105. Attach Copy of We ration unit size, acres , % on (Sw), %	VOLUMETRIC CALC SANDS PERFORAT 40 12.0%	SANDS NO POTENTIA 40	OT PERFORATED BUT LLLY PRODUCTIVE
Area (A) prorosity (por), Vater saturation	of C-105. Attach Copy of We ration unit size, acres , % on (Sw), %	VOLUMETRIC CALC SANDS PERFORAT 40 12.0% 60%	SANDS NO POTENTIA 40 15.0%	OT PERFORATED BUT LLLY PRODUCTIVE
Area (A) prorosity (por), Vater saturation left Thickness emperature (of C-105. Attach Copy of We ration unit size, acres , % on (Sw), % (h), ft.	SANDS PERFORAT 40 12.0% 60% 27	SANDS NO POTENTIA 40 15.0% 63% 19	OT PERFORATED BUT LLLY PRODUCTIVE
Area (A) prorosity (por), Vater saturation Net Thickness Temperature (of C-105. Attach Copy of We ration unit size, acres , % on (Sw), % (h), ft. (T), Fahrenheit pressure (P), psia	SANDS PERFORAT 40 12.0% 60% 27 120	SANDS NO POTENTIA 40 15.0% 63% 19	OT PERFORATED BUT LLLY PRODUCTIVE

PERFORMANCE DATA

r sufficient history exists, a	ittach plot of oil production	rate v time.)			
UMULATIVE PRODUCT	TION TO	11/30/99	9 ; <u>66,029</u> B	BLS	
		PRO	DUCING		BEHIND PIPE
JITIAL RATE (qi)		1	,209		1,034
CONOMIC LIMIT (41)			60		60
ECLINE RATE, dy (Hyper	rbolic, n=.995)	19	9.57%		36.88%
EMAINING OIL (Q) =		13	6,971		18,000
LTIMATE RECOVERABL	E OIL	22	1,000		
Attach plat showing prorat	ion unit and participating are	ea.)			
		,			
		ECO	NOMIC		
ELL COST \$	570,000 (to the dep	th of formation complete	d)		
ECOMPLETION COST \$	65,000 (7/20	<u>o</u> o)			
OTAL 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	

WELL IS COMMERCIAL



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

CALCU	LATE	ם :) A T /	_
		11111	1 1 1 1 1 1	
AST EFF	. DECL	INIT.	RATE	FINAL !
1 1 1 1 1 1 1 1 1	1	1	1111	1 1 1 1
AST EFF	L A T	1 155	ED I	CALCULATED DATA PROCEDURE ULTIMATE LAST EFF. DECL INIT. RATE FINAL I

PROJECT ASSUMPTIONS BASE DATE : 12/9 P.W. DATE : 12/9 REPORT DATE : 12/9	201 LOSS N 205 CUMO, MB 210 LOSS N	RESERVE PARAMETERS	800 DRILL 801 WORKOVER 802 SALVAGE	INVESTMENT		OVERLAYS	761 OWN/ORR	740 LSE/RIG 760 LSE/ORR	721 OWN/RI	720 LSE/RIC	701 OWN/WI
MPTIONS: 12/96: 12/96: 12/96:	NO 66.03	ETERS	240.00	TANGIBLES & INTANGIBLES	P.OIL OIL # P.GAS GAS # P.WATER WTR	SCHEDULING RATES	. 0000	12.5000	. 0000	12.5000	100.0000
TIME FRAM PW %-AGE PROD QUAL			330.00 M\$G 65.00 M\$G	TNI 3	#	RATE	Ð	םם	ט	ט	U
	CUMG, MMF	ITEM	30.00 M\$G 65.00 M\$G	ANGIBLES		8	de	علد عبد	*	*	*
1*1 38*12 1*600 10.0 DISC	141.12		12/96 7/2000 TO	TIME	,	SCHEDULE UNTIL	TO	i i	то	ro	TO
L2 1*600 DISC. OWNER			AD AD LIFE			TILLING	LIFE	LIFE	LIFE	LIFE	LIFE
*600 DISC. FREQUENCY:	CUML, MB	ITEM	PC	PROCEDURE		PROCEDURE	FLAT	FLAT FLAT	FLAT	FLAT	FLAT
365. CD		; ; ;	. 00			 	. 00	. 00	.00	. 00	. 00
OTF			570.000 65.000 -24.000	TOTAL T&I	67.216 144.267 35.925	ULTIMATE					
OTHER QUAL :			12/96 7/ 0 8/43	MONTH	2/00 2/00 2/00	LAST	8/43	8/43 8/43	8/43	8/43	8/43
G 				RISK INV.		EFF. DECL					
			570.0 65.0 -24.0	RISK INV. TOT. T&I&R		EFF. DECL INIT. RATE		. 125		.125	1.000
			570.0 65.0 -24.0	ESC. T&I&R		FINAL RATE		, 125		. 125	1.000

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

)

RESERVES AND ECONOMICS

PRESENT WORTH @ 10.00 \$ 31) NET INCOME 32) INVESTMENTS & RISK 33) BFIT NET 34) CUM BPIT NET	ECONOMICS, M\$ 19) GROSS REV. TO INTR. 20) - SEV. TAX 22) - AD VALOREM TAX 23) - OPERATING COSTS 24) - SWD 25) - CAPITAL REPAYMENT 26) - INTEREST PAID 27) + NPI OWNED - PAID 27) + NPI OWNED - PAID 28) = NET INCOME 29) - INVESTMENTS & RSK 30) = BFIT NET	WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	OWNERSHIP 1) WORKING INTEREST, & 2) REVENUE INTEREST, &	PERIOD ENDING
37.5 570.0 -532.5	42.5 3.0 1.6 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.3	1.7 1.5 3.7 2.480	2.1 1.8 38.8 21.35	.0 570.0 .0 570.0	100.000 : 87.500	12/96
499.3 499.3 -33.2	601.6 43.6 .9 19.2 8.8 .0 .0 .0 .0 .0 .0 .0	17.5 17.5	53.1 46.5 114.4 2.460	28.1 24.6 24.3 19.83		100.000 1 87.500	12/97
201.4 .0 .0 201.4 168.2	279.9 20.4 19.2 4.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	8.0 8.0	36.9 32.3 63.9 1.980	18.3 16.0 216.0 13.52		100.000 1	12/98
233.0 .0 233.0 401.2	351.5 25.6 25.6 19.2 4.0 .0 .0 .0 .0	9.1 9.1 .500	45.9 40.2 86.0 2.140	16.5 14.5 265.5 18.34		100.000 1 87.500	: - 2
304.2 45.4 258.8 660.0	494.3 36.0 19.2 3.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	40.1 40.1 .080	55.6 48.7 120.2 2.470	17.8 15.6 374.1 24.03	65.0 0.0 0.0	100.000 : 87.500	EFFECTIVE DATE: 2/99 12/00
226.1 .0 226.1 886.2	412.3 30.2 6 19.2 4.8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	60.0 60.0	54.1 47.4 116.0 2.450	17.1 15.0 296.3 19.76		100.000	E C 12/96 12/01
143.3 .0 143.3 1029.5	295.3 21.6 19.2 3.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	45.4 45.4 .080	41.0 35.9 87.6 2.440	13.0 11.4 207.7 18.29		100.000 87.500	12/02
98.0 .0 .0 98.0 1127.4	228.4 16.8 19.2 2.9 2.9 .0 .0 .0 189.2	36.6 36.6	33.1 28.9 70.6 2.440	10.4 9.1 157.8 17.27		100.000	12/03
72.6 .0 72.6 1200.0	190.8 14.0 .3 19.2 2.4 .0 .0 .154.9	30.6 30.6	27.7 24.2 59.1 2.440	8.7 7.6 131.7 17.22	, 0 0 0 0	100.000	12/04
55.3 .0 55.3 1255.4	164.1 12.1 .3 19.2 2.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	26.3 26.3	23.8 20.9 50.9 2.440	7.5 6.6 113.2 17.22		100.000 87.500	12/05
1870.8 615.4 1255.4 1255.4	3060.6 223.3 4.8 174.4 36.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	273.8 273.8 .134	373.0 326.4 772.4 2.367	139.6 122.1 2288.2 18.74	635.0 635.0	100.000	S TOT
226.4 5 226.9 1482.3	1786.2 131.2 2.8 556.8 52.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	285.0 285.0 .080	261.8 229.1 559.0 2.440	81.4 71.3 1227.1 17.22	-24.0 -24.0	100.000 87.500	AFTER
2097.2 614.9 1482.3 1482.3	4846.8 354.5 7.6 731.2 59.4 59.4 0.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	558.9 558.9	634.9 555.5 1331.5 2.397	221.0 193.4 3515.3 18.18	.0 611.0 .0	100.000	38.1 YR TOTAL

AFTER TAX ECONOMICS

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

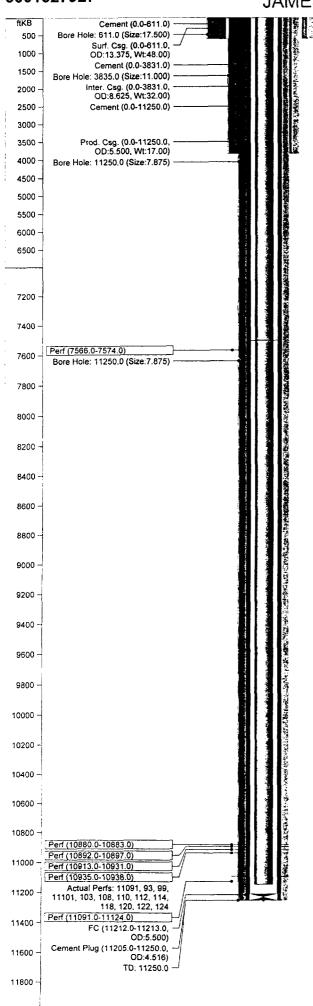
PRESENT WORTH @ 10.00 % 30) NET INCOME 31) INVESTMENTS & RISK 32) A.F.I.T. NET -4 33) CUM. A.F.I.T. NET	20) REVENUE-SEV-WPT 21) - OPR. COSTS & ATX 22) + NPI OWNED - PAID 23) - F.I.T. 24) = A.F.I.T. 25) - LOAN REPAYMENT 26) - INTEREST PAID 27) = NET INCOME 28) - INVESTMENTS & RSK 29) = A.F.I.T. NET -4	TAX CALCULATIONS, M\$	TAX TREATMENT OF INVESTMENTS, M\$	
140.4 570.0 -429.6	39.5 1.8 .0 .103.3 141.0 .0 .0 .0 .141.0 141.0	42.5 3.0 1.8 1.8 .0 2.9 2.9 2.9 2.9 5.0 330.0	12/96 TS, MS 330.0 240.0	
336.5 .0 336.5 -93.1	558.0 28.9 272.5 356.6 356.6 356.6	601.6 43.6 28.9 28.9 .0 36.3 492.8 35.0 172.5	12/97	
148.1 .0 148.1 55.0	259.5 23.6 .0 62.5 173.4 .0 .0 173.4 .0	279.9 20.4 20.4 23.6 23.6 .0 178.5 178.5 178.5 2.0 2.5	12/98	
162.6 .0 162.6 217.5	325.9 24.3 91.2 210.4 .0 210.4 .0	351.5 25.6 24.3 .0 24.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/99	وووورا
220.8 45.4 175.4 392.9	458.3 23.2 319.3 315.8 .0 315.8 65.0	494.3 36.0 23.0 23.2 5.0 6.0 9.3 140.9 35.0 9.3 119.3	2/99 12/00 12/01 2/99 12/00 2/99 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	ידויה האחם
151.7 .0 151.7 544.7	382.1 24.6 117.6 239.9 .0 239.9 239.9 239.9	412.3 30.2 .0 24.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/01	. 12/96
97.4 .0 97.4 642.1	273.6 23.3 .0 .0 80.1 170.2 .0 .0 170.2	295.3 21.6 23.3 23.3 .0 22.8 .0 22.8 .0 22.8 .0 20.0 20.0 20	12/02	
67.6 .0 67.6 709.7	211.6 22.5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	228.4 16.8 .0 22.5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/03	
48.6 .0 48.6 758.3	176.8 21.9 .0 51.1 103.8 .0 103.8	190.8 14.0 21.9 21.9 .0 8.9 145.9 35.0	12/04	
36.0 .0 36.0 794.3	152.0 21.6 45.7 84.8 .0 84.8	164.1 12.1 .0 21.6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/05	
1409.7 615.4 794.3 794.3	2837.4 215.8 0.0 695.3 1926.3 .0 .0 .0 1926.3 .0 1926.3	3060.6 223.3 215.8 .0 215.8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	S TOT 395.0	
147.2 5 147.7 942.0	1655.0 582.4 .0 .0 .375.4 .697.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1786.2 131.2 .0 582.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	AFTER .0 .0 .0 .24.0	
1556.9 614.9 942.0 942.0	4492.3 798.2 0.0 1070.7 2623.4 .0 .0 .0 2623.4 611.0 2012.4	4846.8 354.5 .0 798.2 .0 395.0 240.0 3059.1 35.0 .0 3059.1	38.1 YR TOTAL 395.0 .0 216.0	

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

ECONOMIC INDICATORS

AS OF DATE: 12/96

	2.53	T. 3.41	DISCOUNTED NET/INVEST.
	4.29	EST. 6.05	UNDISCOUNTED NET/INVEST.
	1.71	RS. 1.25	DISCOUNTED PAYOUT, YRS
	1.50	YRS. 1.10	UNDISCOUNTED PAYOUT,
	58.9	71.7	RATE OF RETURN, PCT.
-169,039	-162.526	-135.526	100.
-106.968	-102.007	-49.318	80.
-63.973	-60.665	9.870	70.
-8.190	-7.711	85.978	60.
67.003	62.486	187.299	50.
173.424	159.597	328.150	40.
334.393	301.704	535.450	30,
604.010	527.442	867.154	20.
1152.503	941.978	1482.299	10.
1341.627	1071.772	1676.043	80.
1584.997	1229.493	1911.901	6.
1735.417	1321.983	2050.344	л
2377.247	1677.754	2582.982	2.
3096.022	2012,414	3083.099	0.
		ONUS TABLE	RATE-OF-RETURN VS. BONUS TABLE
		E AND	PRESENT WORTH PROFILE
M\$	M\$	M\$	
BONUS	WORTH	WORTH	
A.F.I.T.	A.F.I.T.	B.F.I.T.	



JAMES RANG	CH UN	IIT#	71						
API No.			27927	Sta	tus		T	ACT C	IL
TD	11	250.	0 ftKB		gineer			KAA	
PBTD	11	205.	0 ftKB	1					
Operator		BEP	CO	Per	mit		-		
Well No.		7		Spt				9/14/9)4
ID Code				RR				10/10/	94
Field	LOS	ME	DANOS	Co	npletio	n		10/28/	94
Author		RA			t Act.				
Date Updated		12/28	3/98		andone	d			
Comments	Drill	led b	y Enron				†		
Location									
Township		S	022	Tor	Latitu	de			<u> </u>
1 Ottilonip		<u> </u>			Longi				
Range		F	030	Tot	NS D	stan	ce	330.0	
rango			.000	Tor	EW D	ietar	nce	660.0	
Section			36		tom La			(
Unit Ltr.			A		tom Lo				
State		JFW	MEXIC	O Btn	NS D			0.0	
County	 -		DDY		EW D			0.0	
Elevations	··•	=				.o.c.		0.0	11
KB		331	38.7 ft	Car	Fing			0.0) fi
Grd			22.0 ft		Head			0.0	
KB-Grd	-		5.7 ft	1 01	, , .cau			0.0	
Casing String	<u> </u>			na					
Item	J 50		Btm	Jnts	ID		Wt	Grd	Thd
(in)			(ftKB)	U1112	טו		***	3.u	HIU
13 3/8 in Surf.	- In		611.0	14	10 7	20	48 NN	H-40	
i .		0.0	011.0	14	12.7	-0	4 0.00	n -4 ∪	
Csg.	m 1-4		odiet-	Coole					<u> </u>
Casing Strin				,			1644	<u> </u>	
Item		op		Jnts	ID		Wt	Grd	Thd
(in)	(ft	KR)	(ftKB)			1			
8 5/8 in Inter.		0.0	3831.0	90	7.9	20	32.00	K-55	STC
Csg.		لببا		نـــــــــــــــــــــــــــــــــــــ					<u> </u>
Casing Strin				asing					
Item		ор	Btm	Jnts	ID	j	Wt	Grd	Thd
(in)	(ft	KB)	(ftKB) 1250.0						1
5 1/2 in Prod.		0.0	1250.0	262	4.8	90 i	17.00	P-110	LTC
Csg.									,
5 1/2 in FC	.12	12.0	1213.0		0.0	00	0.00		
Casing Ceme	ent								
Casing Stri			Гор	Amou	nt		Con	nments	
_	_	(f	tKB)	(sx)	-				
Surface Casing			0.0	(325				
Intermediate Ca	asing		0.0	15	25				
Production Cas	ing		0.0	22	254				
Tubing String		mar	y Tubi	ng					
Item		Гор	Btm		s II)	Wt	Grd	Thd
(in)		KB)	:		i (ii		1		•
2 7/8 in Tbg		0.0				441	6.5	0 N-80	8rd
5 1/2 in Baker	74	499.C				875			
Model B TAC	1							Ì	•
2 7/8 in Tbg	7	502.0	11143	.0 11	7 2.	441	6.5	0 N-80	8rd
2 7/8 in Mech. S						000			
w/strainer	-····		1		J.		3.0	-	
Other (plugs	equi	n e	tc.) - P	lua Ra	ck		<u> </u>		
Date Date	, cyul	۲., ۲	Ite		UK.		<u> </u>	Int	
Date			ite						94
10/10/94	Cemer	nt Div	IO				110	(ftKB 05.0 - 1	
Perforations	Jenner	11 11	.a				: 112	00.0 - 1	1200.0
			1_4				hoto	64-1	
Date			Int				hots	Stat	u5
10/16/94		44/	091.0 -	11104 0			(/ft)	.4	
10/16/94			391.0 - 380.0 -					.0	
10/20/94			392.0 <i>-</i>					.0	
10/20/94			913.0 -					.0	
10/20/94	i		935.0 -					.0	
11/15/96			566.0 -		·				
	9 T			1314.0	 -		4	.0	
Stimulations		alm				-1			
Date Typ			Interv		Flui	a	Sa	na C	omments
10/27/94 Sand Fr	rac	İ	10880.				İ	1	
140000			11124				-		
11/20/96 Sand Fr		75	66.0 - 7	5/4 D			1		
	ac	13	00.0 - 7	377.0					
	ac	15	00.0 - 7	<u> </u>					

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 ½% 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 W

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.

RAS 01/24/00

DISTRICT I r.o. Box 1980, Hobbs, NW 88240

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artesia, NM 68210

000 Rio Brazos Rd., Aztec, NN 87410

DISTRICT III

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

AMENDED REPORT

576

3239

7977

RONALD J. EIDSON.

GARY L. JONES,

Certificate No.

WELL LOCATION AND ACREAGE DEDICATION PLAT

			WELL LO	CATION	AND ACREA	GE DEDICATI	ON PLAT		
	Number 115-27	127		Pool Code	3	UND SE. Quaina	Pool Name	one Springs)
Property		1			Property Nam			Tell No	
ì				JAI	MES RANCH	UNIT		71	•
OGRID N	o.				Operator Nam	•	······································	Elevat	ion
001801			BAS	SS ENTE	RPRISES PR	ODUCTION CO		332	2'
	س. ا				Surface Loca	ation			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	36	225	30E		330	NORTH	660	EAST	EDDY
	_		¹¹ Bottom	Hole Loc	ation If Diffe	rent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
						<u> </u>			
Dedicated Acre	a Joint o	e intill	Consolidation (ode UP	ier No.				
	WADIE W	TII DE	ACCIONED 1	ro THIS	COMPLETION II	NTIL ALL INTER	POTO ULUB DI	EN CONCOLIN	TED
(10 ALLEC	MADLE II					APPROVED BY		EEN CONSOLIDA	LIED
					1/3	321.9' 3323.9'	7		
	1					560/	OPERATO	OR CERTIFICAT	ION
	1				\(\lambda\)		31	y certify the the inj	•
	!				V 3	319.17 / 3326.7	' [{	n is itus and comple wedge and belief.	IN TO LAW
	1				V	//////		•	1
	1				V/	//////	11.	\mathcal{L}	
	1				V	//////	_ Will	cam A. No	encls
	+				+/-	ל החל החל החל החל החל	Signature William	iam R. Danne	10
	}				1		Printed Nam		-
	1						11	sion Drillin	g Supt.
	1				1		Title		
	1				1		4-	6-94	
	1				1		Date		
<u> </u>							SURVEYO	R CERTIFICAT	ION
	1				1		/ hereby certify	that the well location	n shown
	i t				1 !		on this plat wo	s platted from field	notes of
	1				1		1.1	made by me or : s that the same is	
	; !				1		11	best of my belief.	1
	1				1		Ma	er by cmaga	
	. 1				1		Date Gurage	an Mexical II	
	+				+ _		Signature & Processional	Supergor)
	1		•		1			~ 1977) - 	: []

J Submit to Apiroons	•		lew Mexico	FIS	- Wid Paren	UIRII .
District Office	. AA R	rgy, Minerals and Nat		· •	DEC - 5 199	Firm CIRS
Fee Lease - 5 comes		LEGNSERV	ราชาง กราช	ethar I	WELLAPI NO.	1
P.O. Box 1980, Hood	NM EZO		912088 0x2088	PIOIA	DE0E130-0I	
P.O. Drawer DD. Arts	- Mu terro	SEETMENT	202 -87504-208	38	S. Indicate Type of L	
•	- INM SAZIU		- 4		6. Since Oil & Gas Le	STATE X FEE
DISTRICT III 1000 Rio Brazza Rel.	Azzec NM 87410	•			E-5229-	
WELL	COMPLETION OR F	ECOMPLETION RE	EPORT AND LO	G	_	416
12. Type or Well:		DRY CTHER			7. Losse Name or Uli	Agreement plans
	-	DK! C. CIMER_			L	1891
b. Type of Completion		3 307			James Ranch	@SD 1394
VELL A OVER			ाम्बर			
2. Name or Operator	041 / 6 6				L Well No.	71
3. Address of Operato	Oil & Gas Comp	any			7. POOL BARRA OF WHO	
P. 0.	Box 2267, Midl.	and, Texas 7970	02		•	ring/Wolfcamp
4. Well Laceton			······································			
Unit Letter	A : 330 F	a From The north	Line at	∞ 660	Feet From The	east Um
Section	36 To	- 225	Range 30E	170	APM Eddy	6
	11. Date T.D. Reschot -	12. Date Compt. (Ready			APM Eddy & RK3, RT, GR, etc.)	Comey
9-14-94	10-6-94	10-15-94	J., dz.,	3322'		3322'
15. Total Depta	16. Plug Back T.D.		e Compt. How	18. Imervais	, Rotary Tools	Cable Tools
11,250	11,20		DICE!	Drilles By	X	<u>i</u>
	Lofthis compinion - Top. B (Wolfcamp) & 10		a Carinal			Xroccoccai Survey Made,-
21. Type Eleane and O		000-10936 (BCH	e spring)		22. Was Well Cornel	o
SDL-DSN, DI			*		The west Cares	No
73.	CA	SING RECORD	(Report all strip	nos set in s	veit)	
CASING SIZE	□ WEIGHT LB/FT.		HOLE SIZE		TENTING RECORD	AMOUNT PULLE
13-3/8	1 48	611	17-1/2	1 625 (Circulated
8-5/8 5-1/2	32	1 3831 I 1 11250 I	1 11 7-7/8		SL C & 225 C	
		1	, , , , , , , , , , , , , , , , , , , ,	11107	dber 4 4 100	2_41_
						ı
SIZE		TION SACES		25.	TUBING R	
3142	101 30	TIOM SACKS CE	भक्ता। ध्टान	Non		TH SET PACKER SET
1			· · · · · · · · · · · · · · · · · · ·	1	<u> </u>	<u> </u>
26. Perforation reco	rd (interval, size, and n	umber)				ENT. SQUEEZE ETC.
			 	NTERVAL		KIND MATERIAL USED
11091-11124	•		11091-1			/2% NeFe HCL /2% NeFe HCL
10000-10730			10880-1			Medallion 3000
Data First Production		PRODUC			5,000# 20/40	Frono Pron
10-27-94	Flowi	1 Mabod (Flowing, gas lift	i, piereng - Sua and i	اخسم عطل	Wett 2	Producing :
Date of 1 car	Hours Tosses C	oke Size Prox's For	Oil - 36L	Gu - MC		Gas - Oil Ratio
11_5_04		8/64 Text Periox	1 20,	295		1746
Flow Tubing Press.		iculated 24 Oil - BbL ur Rate	Gas - MC	F Wate	1	avity - API - (Corr.)
27. Disposium of Gus (Said	L used for fuel, versed, sec.)	t	•		Test Witnessed By	
Venced						
30. List Acceptants					_	
	<u>cion Report, C-</u> se vyo gnasion snown on		s true and complete	to the one of	my promuedse and o	eiid
	1 /.	·				\$
Sam Re I	i xilcon) Printed Be	esty Gildon	Title	Regulatory A	naly55 11/9/94
٧٠٠٠	N MSCREIGH					
XC . MANGA	N Mècreich	1 1.11177	ALADY ST	4 1		

CLARK, SMITHERMAN

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 despend 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 its conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled weils, 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

Rustler Southeastern	New Mexico	. Northwestern	New Mexico
T. Again 310	T. Carver	T. Ojo Alamo	T. Penn. "B"
T. Salt		T. Kirdand-Fruidand	
B. Salt 3610		T. Pictured Cliffs	
		T. Cliff House	
	T. Devonian		
T. Queen		T. Point Lookout	
		T. Mancos	
T. San Andres	T. Simpson	T. Gallup	
T. Gloriesa	T. McKæ	Base Greennom	T. Granite
	T. Ellenburger	T. Dakota	T.
T. Blinebry		T. Morrison	
T. Tubb		T. Todilto	T.
T. Drinkard		T. Entrada	
T. Abo		T. Wingate	r. <u>-</u>
T. Wolfcamp		T. Chinle	Γ
	T	T. Permain	r:
T. Cisco (Bough C)	T	T. Pem "A"	Г
	OIL OR GAS SA	NDS OR ZONES	
1. from 10880	10938 Bone Sprin	8 No. 3, from.	
. o. 2. f rom.	to 11124 WOLICAMP	No. 4, from	
		vater sands	
	v and elevation to which water rose		. •
		feet	
		feet	
No. 3. f rom		feet	
1 17	HOLOGY BECORD (A.		\

From	To	Thickness is Feet	Lithology	From	To	Thickness in Fest	Listology
0 615 2405 3665 4585	4585	615 1790 1260 920	Surface Rock Red Bed Salt, Anny Dolo, Anny Sand, Shale, LS				

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

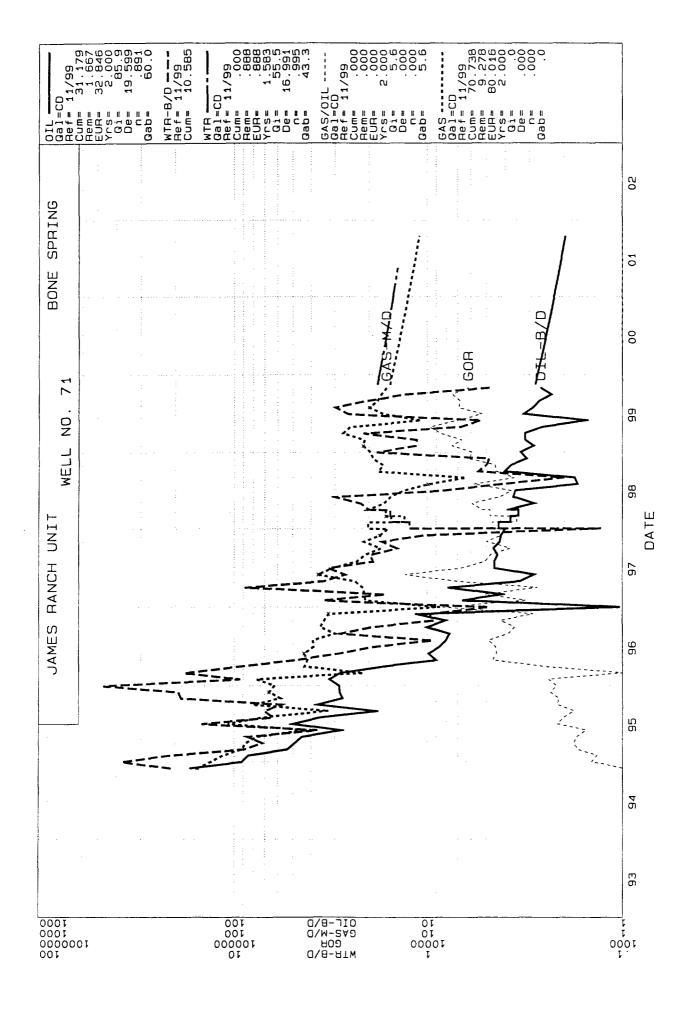
WELL			JAMES RANC	CH UNIT NO	0. 71		_FORMATION .		BONE S	PRING	
OCATION		Α	_ UNIT,	330	FEET FROM	N	LINE &	660	FEET FROM	E	LINE
ECTION	36	TOWNSHIP	225	_ RANGE	30E	_, COUNTY		EDDY		, NEW MEXI	ICO
PUD DATE	9/1	4/94	_ COMPLETIC	ON DATE	10/1	5/94	_INITIAL PRODU	ICTION		10/27/94	
ERFORATIO	ONS _	10,880-10,9	38'								
TIMULATIO	DN:			····							
	ACID	PERFS 10,88	0-10,938' - 2	2000 GALS	7-1/2% NEFE H	ICL & 66 BAL	L SEALERS				
	FRACTURE		PERFS 10,81	80-11,124'	- 1 25,0 00 GAL	S MEDALLIO	N 3000 FLUID +	ADDITIVES	& 325,000# 20	0/40	
			ECONOPRO	DP.				· · · · · · · · · · · · · · · · · · ·			
OTENTIAL	F	PERFS 10,88	0-11 ,124' - 1	1/5/1994 1	169 BOPD, 127	BWPD, & 295	MCFPD.				
	F of C-105. Att					BWPD, & 295	MCFPD.				
				ch of Comple	eted Well.)						
				ch of Comple							
				ch of Comple	eted Well.)		ATION	SANDS NO	T PERFORATED	RIIT	
				ch of Comple	eted Well.)	C CALCULA	ATION		T PERFORATED LY PRODUCTIV		
Attach Copy		ach Copy of		ch of Comple	eted Well.) /OLUMETRIC	C CALCULA	ATION				
Attach Copy	of C-105. Att	ach Copy of		ch of Comple	eted Well.) /OLUMETRIC	C CALCULA	ATION				
rea (A) pror	of C-105. Att	ach Copy of		th of Comple	eted Well.) /OLUMETRIC	C CALCULA	ATION				
rea (A) prororosity (por),	of C-105. Att	ach Copy of		40 12.0%	eted Well.) /OLUMETRIC	C CALCULA	ATION				
rea (A) prororosity (por), fater saturation	of C-105. Att	ach Copy of		40 12.0% 50%	eted Well.) /OLUMETRIC	C CALCULA	ATION				
rea (A) prororosity (por), ater saturation et Thickness emperature (of C-105. Att	ach Copy of		40 12.0% 50% 24	eted Well.) /OLUMETRIC	C CALCULA	ATION				
Attach Copy Area (A) prororosity (por), Jater saturation let Thickness emperature (of C-105. Attraction unit size, , % on (Sw), % (h), ft. (T), Fahrenheit pressure (P), psi	ach Copy of		40 12.0% 50% 24 170	eted Well.) /OLUMETRIC	C CALCULA	ATION				

Commercial Determination

PERFORMANCE DATA

	<u> </u>			
(If sufficient history exists,	attach plot of oil production ra	ate v time.)		
CUMULATIVE PRODUC	TION TO	11/1/99	;31,179	BBLS
INITIAL RATE (qi)	-		36	_
ECONOMIC LIMIT (ql)	_		50	_
DECLINE RATE, dy	_	Hyperbolic d =	19.60% n = .89	_
REMAINING OIL (Q) =	_	1,	421	_
ULTIMATE RECOVERA	BLE OIL	32,	,600	<u>.</u>
(Attach plat showing prora	ation unit and participating area	.)		
		ECOI	NOMIC	
p				
WELL COST \$	825,000 (to the depth	of formation completed)		
RECOMPLETION COST		, ,		
TOTAL COST \$	825,000			
YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTEDCASH FLOW
ZERO	0	0	00	-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	
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
	900			
7		29,800	16,500	7,500
8	600	16,900	12,000	2,500
9		-		
10				
REMAINDER				

WELL IS NOT COMMERCIAL



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

H
Þ
Ω
A
۲
G
ч
۲
Þ
Н
Ħ
U
-
D
~

			ни	PUTD	ATA				CAL	CULAT	ED DAT	A
ITEM	SCHEDULING RATES	G RATE	. 03	SCHEDULE UNTIL	UNTIL	PROCEDURE	1 [25] 1	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
405 START	11/99										:	
410 OIL	85.93	×	В/М	1.67	IMU	н/0.891	19.60	32.846	10/01	19.60	86.	60.
415 GAS/OIL	5.57	5.57	7 M/B	01/2097 AD	AD	LIN	TIME		12/96			
420 WTR	55.54	×	в/м	. 89	UMI	H/0.995	16.99	. 888	5/01	16.99	56.	43.
425 START	11/94											
516 PRI/OIL	16.8800	< ×	\$/B	1/95	XX/WW	D C	. 00		10/01		16.880	16.880
518 "	22.26	×	\$/B	1/97	AD B	אַר ר	. 00		10/01		22.260	18.390
	20.74	×	\$/B	1/98	ΑD	PC	.00		12/97		20.740	20.740
521 :	14.45	< ×	s/B	1/2000	3 8	7 7	. 00		12/98		14.430	14.430
	24.94	×	\$/B	1/2001	8	. S	. 00		12/00		24.940	24.940
523 "	20.67	: ×	\$/B	1/2002	Ð	S P	. 00		10/01		20.670	20.670
525 *	18.18	××	\$/B	1/2004	ð ð	מי מ	. 00		10/01		19.200	20.670
526 "	18.13	×	\$/8	To	LIFE	PC	.00		10/01		18.130	20.670
	1.8900	: ×	M/S	1/95	XX/WW	PC	.00		10/01		1.890	1.890
533 ::	2.61	××	ω « Σ	1/96	AD AD	מי ה	. 00		12/95		1.940	1.940
	2.59	×	S/M	1/98	A :	D.	. 00		12/97		2.590	2.590
536 T	2.11	××	ν ν Χ Χ	1/2000	A A	Ö, Ç	. 00		12/98		2.110	2.110
	2.60	×	S/X	1/2001	AD :	PC	.00		12/00		2,600	2.600
539 #	2.58	××	₩ W ₩ X	1/2002 TO	LIFE	P C	. 00		10/01		2.580 2.570	2.580 2.580
544 OPC/T	1190.00	×	\$/M	то	LIFE	SCH	OPC		10/01		1190.000	1190.000
549 STX/OIL 554 STX/GAS	7.08 7.93	××	do de	o o	LIFE	PC	. 00		10/01		.071	.071
559 ATX	.17	×	аę	TO	LIFE	₽C	.00		10/01		.002	-002
564 PRI/OIL 569 PRI/GAS	9100 1300	9100 1300	8/% B/\$	7 7	LIFE	PC	.00		10/01		910 130	20.670 2.580
700 LSE/WI	100.0000	Ð	de	TO	LIFE	FLAT	. 00		10/01		1.000	1.000
701 OWN/WI	100.0000	D	de	TO	LIFE	FLAT	. 00		10/01		1.000	1.000
720 LSE/RIC	12.5000	D	de	TO	LIFE	FLAT	. 00		10/01		.125	. 125
721 OWN/RI	. 0000	ט	مبد	TO	LIFE	FLAT	.00		10/01			
740 LSE/RIG 760 LSE/ORR	12.5000	םם	مهر ميس	TO	LIFE	FLAT FLAT	.00		10/01		.125	. 125
761 OWN/ORR	. 0000	D	*	TO	LIFE	FLAT	. 00		10/01			

		 g	OTHER QUAL : CD	отн	*600 DISC. FREQUENCY: 365. OWNER QUAL: CD	38*12 1		TIME FRAMES : PW %-AGE : PROD QUAL :	: 11/94 : 11/94 : 11/94 : 11/94	BASE DATE : 11/94 P.W. DATE : 11/94 REPORT DATE : 11/94
									JMPTIONS	PROJECT ASSUMPTIONS
					CUML, MB	70.74		CUMG, MMF	ő	, u
			! ! ! ! !) 	ITEM	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ITEM	METERS	RESERVE PARAMETERS
825.0	825.0		11/94 10/ 1	825.000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11/94 AD TO LIFE	ı	495.00 M\$G	330.00	800 DRILL 801 SALVAGE
ESC. T&I&R	INV. TOT. T&I&R	RISK INV.	MONTH	TOTAL T&I	PROCEDURE	Ē	ES TIME	TANGIBLES & INTANGIBLES	TANGIBLES	INVESTMENT
FINAL RATE	DECL INIT. RATE FINAL RATE	EFF. DECL	1AST 2/00 2/00 2/00	ULTIMATE 31.258 71.226 10.585	PROCEDURE	SCHEDULE UNTIL	SCH	# # #	SCHEDULING RATES P.OIL OIL # P.GAS GAS # P.WATER WTR #	OVERLAYS 905 LOAD 910 LOAD 915 LOAD

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

RESERVES AND ECONOMICS EFFECTIVE DATE: 11/94

				EFFEC	EFFECTIVE DATE: 11/94	E: 11/94			•
PERIOD ENDING	12/94	12/95	12/96	12/97	12/98	12/99	12/00	12/01	TOTAL
OWNERSHIP, 1) WORKING INTEREST, % 2) REVENUE INTEREST, %	100.000 87.500	100.000 87.500	100.000	100.000 87.500	100.000	100.000	0 0	00	100.000 87.500
INVESTMENTS, M\$	825.0 825.0 825.0							-33.0 -33.0	.0 792.0 .0 792.0
OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	7.9 6.9 110.2	14.7 12.8 224.4 17.48	4.5 4.0 84.9 21.35	1.7 1.5 29.2 19.83	1,2 1,1 14,4 13,52	1.1 1.0 17.7 18.34	.9 .8 18.7 24.03	.6 .5 10.0 19.76	32.6 28.5 509.5 17.88
GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	8.7 7.7 13.5 1.760	27.0 23.7 42.8 1.810	13.6 11.9 29.5 2.480	8.2 7.2 17.7 2.460	5.5 4.8 9.5	7.1 6.2 13.3 2.140	5.1 4.5 11.1 2.470	3.2 2.8 6.9 2.450	78.6 68.7 144.3 2.099
WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	1.8 1.8	5.1 5.1	1.6 1.6	1.0	5		.1	. 000	10.6 10.6
ECONOMICS, M\$	123.7 8.9 .2	267.2 19.3 .4	114.4 8.3 .2	46.9 3.5 14.3	23.9 1.8 .0	31.0 2.3 .0	29.8 2.2 2.2	16.9 1.3 .0	653.8 47.5 1.0
R (N + 1) r (2.4 .0 .0 .0 .0 .0 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	14.3 .0 .0 .0 .0 .0 7.8	14.3 .0 .0 .0 .0 .0 14.4 .0	14.3 .0 .0 .0 .0 .0 .13.3	10.7 .0 .0 .0 .0 .0 4.9 -33.0 37.9	98.8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
PRESENT WORTH @ 10.00 \$ 11) NET INCOME 12) INVESTMENTS & RISK 13) BFIT NET 14) CUM BFIT NET	111.3 825.0 -713.7 -713.7	218.3 .0 218.3 -495.4	77.5 .0 77.5 -417.9	22.3 .0 22.3 -395.6	5.4 .0 5.4 -390.1	9.0 9.0 9.1	7.5 .0 7.5 -373.6	2.5 -16.7 19.2 -354.4	454.0 808.3 -354.4

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

AFTER TAX ECONOMICS

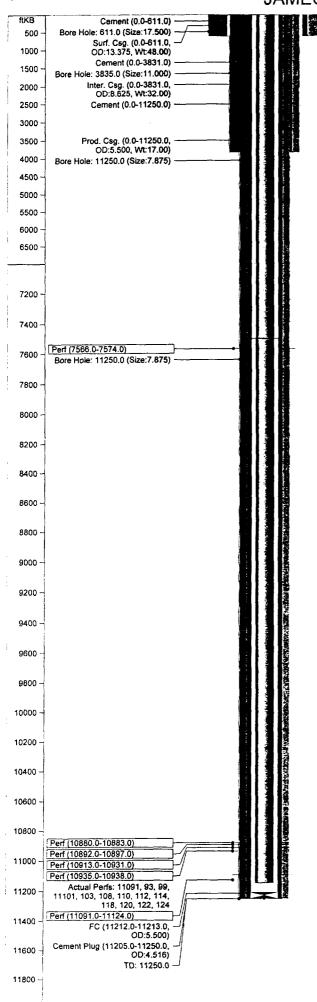
				EFFEC	EFFECTIVE DATE: 11/94	E: 11/94			
PERIOD ENDING	12/94	12/95	12/96	12/97	12/98	12/99	12/00	12/01	6.9 YR TOTAL
TAX TREATMENT OF INVESTMENTS, M\$	ENTS, MS	1	1	; ; ;) 1 3 1	1	 	1	1 1 1
1) EXP, RISK & CAP INT	495.0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	495.0
DEPLETABLE	. 0	. 0	. 0	. 0	. 0	. 0	. 0	.0	. 0
3) DEPRECIABLE	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 . u	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
'	2.6	14.7	14.5	14.4	14.3	14.3	14.3	10.7	99.8
+			. 0		. 0	. 0	. 0	. 0	
10) - EXPENSED INV.	495.0	o c	 o c	 o c		 o c	 o c		495.0
,	7.9	52.7	77.0	55.0	39.3	29.5	29.5	39.3	330.0
13) - DESTRICTION	0.6	0.5	_4.6 ∩	-25.9	-31.4	- 15.1	-16.2	34.4	-318.5
,	. 0	. 0	. 0	. 0	. 0	. 0			
11	-390.6	180.5	14.6	-25.9	-31.4	-15.1	-16.2	-34.4	-318.5
15) * TAX RATE, *	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
18) - WPT REFUND									
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
,	2.6	14.7	14.5	14.4	14.3	14.3	14.3	10.7	99.8
+)	· .			· .	' . ' o		. 0
24) = A.F.I.T.	249.0	170.1	86.5 5	38.2	18.8	19.7	18.9	16.9	618.0
,	.0	.0	.0	.0	.0	. 0	. 0	.0	. 0
,	.0	. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0
NET INCOME	249.0	170.1	86.5	38.2	18.8	19.7	18.9	16.9	618.0
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
_	825.0	.0			.0	. 0	0	-16.7	808.3
32) A.F.I.T. NET	-578.1 -578.1	159.2 -418.9	73.2 -345.7	29.2 -316.5	13.1 -303.4	12.3 -291.1	10.8 -280.3	25.5 -254.9	-254.9 -254.9
COM. A.F. L. L.	1.8/6.	418.9	-345.7	-316.3	-303.4	T. T. 7.	-280.3	-254.9	-254.9

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

ECONOMIC INDICATORS

AS OF DATE: 11/94

	.68	. 56	DISCOUNTED NET/INVEST.
	.78	T64	UNDISCOUNTED NET/INVEST.
	6.92	. 6.92	DISCOUNTED PAYOUT, YRS
	6.92	RS. 6.92	UNDISCOUNTED PAYOUT, YRS
	. 0	.0	RATE OF RETURN, PCT.
-585.835	-483.933	-576.080	100.
-577.462	-472.376		90.
-567.779	-459.362	•	80.
-556.382			70.
			60.
	-406.977	-495.669	50.
-503.927	-382.276	-471.170	40.
-474.709		-441.387	30.
-433.258	-310.666	-403.860	20.
-370.452	-254.889	-354.377	10.
-353.962	-241.149	-342.473	6 5.
-335.722	-226.322	-329.731	6.
-325.868	-218,463	-323.018	υ 1.
-292.934	-192.906	-301.356	2.
-267.734	-174.027	-285.503	0.
		ECLE AND BONUS TABLE	PRESENT WORTH PROFILE AND RATE-OF-RETURN VS. BONUS
M\$	M\$	M\$	
A.F.I.T.	WORTH	WORTH	
	, 1 1		



JAMES RAN API No.			71 27927		Statu				CT O	
TD) ftKB		Statu Engin		+	^	KAA	<u> </u>
PBTD			ftKB		- i git		 -		100	
Operator		BEP(Perm	it	+			
Weil No.		71			Spud		1	Ģ	/14/94	4
D Code		'			RR		1		0/10/9	
Field	LOS	MEC	DANOS			letion	1		0/28/9	
Author		RA			Last /					
Date Updated		12/28		1		doned				
Comments	Drill	ed by	Enron							
Location										
Township		S	022		Top L	atitude.			0	
					Top L	ongitud	е		0	
Range		E	030		Top N	IS Dista	nce		330.0	
	$-\!\!+\!\!-$				Top E	W Dista	ance		660.0	ft E
Section			36			m Latitu			<u>0</u>	
Unit Ltr. State			A MEXIC			m Longi NS Dista			0.01	
County			ODY			W Dist			0.01	
Elevations					2011				0.0 .	
KB		333	8.7 ft		Cas F	Ina			0.0	fi
Grd			2.0 ft		Tub F		$\neg \neg \dagger$		0.0	
KB-Grd	\dashv		.7 ft	-t					3.0	· <u>·</u>
Casing Strin	a - Su			na						
tem		op	Btm	Jnt	s	ID	Wt	1	3rd	Thd
(in)			(ftKB)				- • •	`	-	
13 3/8 in Surf.	1,	0.0	611.0	-	14	12.720	48.0	0 F	I-40	
Csg.		[_		_ ;				1	
Casing Strin	g - Inte	erme	diate	Cas	ina					
tem			Btm	Jnt		ID	Wt	(3rd	Thd
(in)			(ftKB)					1	- 1	
8 5/8 in Inter.			3831.0	5	90	7.920	32.0	0 K	-55	STC
Osg.								ᆚ.		
Casing Strin	g - Pro	oduc	tion C	asir	ng					
tem	T	ор	Btm	Jnt		ID	Wt		Grd	Thd
(in)	(ftl	KB)	(ftKB)	<u> </u>						
5 1/2 in Prod.		0.0	1250.0	26	32	4.890	17.0	O P	-110	LTC
Csg.			10100		_	0.000		_		
5 1/2 in FC		12.0	1213.0	-	_	0.000	0.0	U		
Casing Ceme	ent .	-	`a=	A	0				ents	
Casing Str	ານຊ		op KB)		ount sx)		C	unM	## IIS	
Surface Casing		111	0.0		62	5				
ntermediate Ca	asing		0.0		152					
Production Cas		 	0.0		225					
Fubing Strin	g - Pri	man		na						
tem		ор	Btm		Ints	ID	W	t	Grd	Thd
in)	! (ft	KB)	(ftKE			(in)		1	J. 0	
2 7/8 in Tbg		0.0			240	2.44	1 6.	50	N-80	8rd
1/2 in Baker	74	499.0				2.87		00		1
Model B TAC			L							<u>i</u> -
2 7/8 in Tbg			11143		117	2.44		50	N-80	8rd
2 7/8 in Mech.	SN 111	143.0	11144	.0		0.00	0.	00		
w/strainer			<u>L.</u>				ــــــــــــــــــــــــــــــــــــــ	L		1
Other (plugs	, equip	o., et			Вас	K				
Date			lte	m					Int	
							4-4-		(ftKB)	
40/40/04	O	it Lini	y				1 11	205	.0 - 11	250.0
10/10/94	Cemen						C L - 1		04	
Perforations	Cemer					ļ	Shots		Statu	ıs
	Cemer		Int				(/ft)	0.4	<u> </u>	
Perforations Date	Cemer	110		1112	áΛ	-		11 7 1		
Perforations Date 10/16/94	Cemer		91.0 -					0.4		
Perforations Date 10/16/94 10/20/94	Cemer	108	91.0 - 80.0 -	1088	3.0			1.0		
Perforations Date 10/16/94 10/20/94 10/20/94	Cemer	108 108	91.0 - 880.0 - 192.0 -	1088 1089	3.0 7.0			1.0 1.0		
Perforations Date 10/16/94 10/20/94 10/20/94 10/20/94	Cemer	108 108 109	91.0 - 880.0 - 192.0 -	1088 1089 1093	3.0 7.0 1.0			1.0 1.0 1.0		
Perforations Date 10/16/94 10/20/94 10/20/94	Cemer	108 108 109 109	91.0 - 880.0 - 192.0 -	1088 1089 1093 1093	3.0 7.0 1.0 8.0			1.0 1.0		
10/16/94 10/20/94 10/20/94 10/20/94 10/20/94 10/20/94 11/15/96		108 108 109 109 75	991.0 - 880.0 - 192.0 - 113.0 - 135.0 - 1666.0 -	1088 1089 1093 1093	3.0 7.0 1.0 8.0			1.0 1.0 1.0 1.0		
10/16/94 10/20/94 10/20/94 10/20/94 10/20/94 10/20/94 11/15/96 Stimulations	& Tre	108 108 109 109 75	991.0 - 880.0 - 92.0 - 113.0 - 35.0 - 66.0 -	1088 1089 1093 1093 7574	3.0 7.0 1.0 8.0	Fluid	8	1.0 1.0 1.0 1.0 4.0		mmen
Perforations Date 10/16/94 10/20/94 10/20/94 10/20/94 10/20/94 11/15/96 Stimulations Date Type	& Tre	108 108 109 109 75	91.0 - 80.0 - 92.0 - 13.0 - 35.0 - 66.0 - ents	1088 1089 1093 1093 7574 al	3.0 7.0 1.0 8.0	Fluid	s	1.0 1.0 1.0 1.0		mmen
10/16/94 10/20/94 10/20/94 10/20/94 10/20/94 10/20/94 11/15/96 Stimulations	& Tre	108 108 109 109 75	991.0 - 880.0 - 92.0 - 113.0 - 35.0 - 66.0 -	1088 1089 1093 1093 7574 al 0 -	3.0 7.0 1.0 8.0	Fluid	S	1.0 1.0 1.0 1.0 4.0		mmen
Perforations Date 10/16/94 10/20/94 10/20/94 10/20/94 10/20/94 11/15/96 Stimulations Date Type	& Tre	108 108 109 109 75	991.0 - 880.0 - 192.0 - 113.0 - 35.0 - 66.0 - ents Interv 10880.	1088 1089 1093 1093 7574 al 0 -	3.0 7.0 1.0 8.0	Fluid	S	1.0 1.0 1.0 1.0 4.0		mmen
10/16/94 10/20/94 10/20/94 10/20/94 10/20/94 11/15/96 Stimulations Date Ty	& Tre	108 108 109 109 75	991.0 - 180.0 - 192.0 - 113.0 - 135.0 - 166.0 - 11124	1088 1089 1093 1093 7574 al 0 -	3.0 7.0 1.0 8.0	Fluid	S	1.0 1.0 1.0 1.0 4.0		mmen
10/16/94 10/20/94 10/20/94 10/20/94 10/20/94 11/15/96 Stimulations Date Ty	& Tre	108 108 109 109 75	991.0 - 180.0 - 192.0 - 113.0 - 135.0 - 166.0 - 11124	1088 1089 1093 1093 7574 al 0 -	3.0 7.0 1.0 8.0	Fluid	S	1.0 1.0 1.0 1.0 4.0		mmen
10/16/94 10/20/94 10/20/94 10/20/94 10/20/94 11/15/96 Stimulations Date Ty	& Tre	108 108 109 109 75	991.0 - 180.0 - 192.0 - 113.0 - 135.0 - 166.0 - 11124	1088 1089 1093 1093 7574 al 0 -	3.0 7.0 1.0 8.0	Fluid	S	1.0 1.0 1.0 1.0 4.0		mmen

WELL HISTORY

James Ranch Unit No. 71 **WELL NAME:**

Los Medanos (Bone Spring/Wolfcamp) FIELD NAME:

330' FNL & 660' FEL, Sec 36, T22S, R30E, Ut A LOCATION:

Eddy County, New Mexico

3322' GL, 3338.7' KB **ELEV:**

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

None DST:

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'.

Perf Wolfcamp 11,091', 093', 099', 11,101', 103', 108', 110', 112', 114', 118', 120', 122', 10/16/94

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 ½% 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.

RAS 02/09/00

DISTRICT I -P.O. Box 1980, Hobbs, NM 58240

State of New Mexico

Energy, Miserale and Natural Resources Department

Form C-102 od February 10, 1994 instruction on back

Submit to Appropriate District Office State Louse - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.D. Drawer DD. Artesia, NM 68210

DISTRICT III 1000 Rie Brazes Rd., Agtec, NM 87410

OIL CONSERVATION DIVISION

· P.O. Box 2088

Santa Fe. New Mexico 87504-2088

C AMENDED REPORT

7877

RONALD J. EDSON.

CARY L JONES.

			WELL LO	CATION	F AND A	CREA	GE DEDICATI	ON PLAT		
	Number 5-279	×77	1.2	Pool Code			UND.	Pool Name		······································
70-01 Property 0		127	l Ec	772	Proper	TY Nem		rd a Ridg e (Bo	one Springs)	
i		}		JA	MES RA				71	
OGRID No)•				-	or New			Elevat	ion
001801			BA:	SS ENT	ERPRISE	S PR	ODUCTION CO		332	2'
	.سد.				Surface	Loca	ation			
UL or lot No.	Section	Township	Range	Lot idn	Feet from		North/South line	Feet from the	East/Yest line	County
A	36	225	30E		330		NORTH	660	EAST	EDDY
		,	¹¹ Bottom	Hole Lo	eation If	Diffe	rent From Sur	face		
UL or lat No.	Section	Township	Range	Lot idn	Feet from	the .	North/South line	Foot from the	East/West line	County
									·	
Dedicated Acres	Joint of	r Intill Co	nsolidation	Code 0	rder No.				:	
40	1								<u> </u>	
NO ALLO	WABLE W						NTIL ALL INTER APPROVED BY T		EN CONSOLIDA	TED
		OIL A 1	1011-3121	DAND O	111 1110 1			THE DIVISION		
	i						321.9' 650:	OPERATO	R CERTIFICAT	ION
	i			1			/ 6-180V	1 1	certify the the infl	
	Ī					1/3	319.17 73326.7	best of my know	i is true and comple ledge and belief.	te to the
	1					V	//////			
	1					1/	//////	111:11	· D	,
	1					$V_{/}$		Signature	and A. Non	nde
	+			 -		+/-	d and and and and .	⊸i i	am R. Danne	ls
	1					ļ		Printed Name	!	
	1					[Divis	ion Drillin	g Supt
	[{		Title /	1 11	
	;					1		Date 4-	6-94	[
	l Į		•			l t				
								SURVEYO	R CERTIFICATI	ON
	i					ĺ			that the well location	!
	İ					1		antual surveys	r platted from field made by me or v	meer my
	1		}			1		supervisor, and	that the same to best of my boiles.	17-us and
	Į					I				Ī
	}					1		Mark	RY bg cmgg4	
	!					1		Date Ourveyor	11 12	1
	+		+			+-		Processional S	in Service	
	!					i i		H III (X. ADE	
	, [Ì			ŧ l		1) Which		<u>_</u>
	} !	•]			! }		W. S. ARI	n 94-11-055	8
	; {		1			1		Certificate No.	SSUTHA-	678
	; 1		1			į.		Certificate No.	BONNED I FIDSON.	3237

Submit to Appropriate	4		New Mexico			For Cits
District Office State Lease — 6 coose		Energy, Minerals and N	(amai Kesoures Dep	arinest	DEC - 5 190%	
For Lease - 5 comes		OH CONSER		703	WELL API NO.	
P.O. Box 1980, Hook	- XM ETO		Box2088 Witethy DIAIS	PION	7 - 30 QI	
Drawer DD. Are	-ms NIW 12710	Samarakow	Mexico 37504-208	3	5. Indicate Type of Le	
·			•		6. State Oil & Gas Lea	
DISTRICT III 1000 Rio Brazos Rd.	AZEC, NM 87410		•		E-5229-4	
WELL	COMPLETION	OR RECOMPLETION	REPORT AND LOC	·		IIII DANGO BEL
12. Type of Weil:					7. Lease Name or Uhit	Agreementhiplespe
OIL WEILS	GAS WELL	DRY OTHE			I	1901 1 1901
b. Type of Completion		4110 200			James Ranch U	250 1394
VEL W OVE		MCZ DOFF	отнеж		Sames varieti n	The second of th
2. Name of Operator					1. Weil No.	71
1 Appress of Operato	oil & Gas C	ompany		1	y. roos name or whoca	
	Box 2267, M.	idland, Texas 79	702		Und. Bone Spr	ing/Wolfcamp
4. West Location	4 320		1			
Unit Letter	_A :330	Feet From The TIOT	th Line and	660	Feet From The	east
Sections	36	Townsia 225	Range 30E	N	MPM Eddy	County
10. Date Spupped	11. Date T.D. Reserve	1 12 Date Compt. (Red	ay to Prod.) 13. E	levanons (DF	4 RX3, RT. GR. 4c.)	14 Sev. Cinement.
9-14-94	10-6-94	10-15-9	4	3322'		3322'
15. Toxi Desti	16. Phig Back	! h.f		la imerais Dallet dy	, ,,	Cable Tools
11,250 19. Procuring interval(s		203			T X	recooni Survey Made
		10880-10938 (Bo	one Spring)		No	•
21. Type Electric and O	ther Logs Russ				22. Was Well Cored	
SDL-DSN, D	IL	·	<u> </u>		<u> </u>	Мо
		CASING RECOR	D (Resort all strin	es set in t	well)	
CASING SIZE	NEI TROIEW		HOLE SIZE		MENTING RECORD	AMOUNT PULLED
13-3/8 8-5/8	1 48	1 611	1 17-1/2	1 625	<u>01 C</u> PSL C & 225 C1	<u> </u>
5-1/2	1 17	1 11250	7-7/8		Super H & 1065	
			1	1	<u> </u>	
		ı				
24		LINER RECORD		25	TUBING R	
=====	ا عد.	BOTTOM BACKS	TENENT! SCREEN	Not		H SET PACKER SET!
1					18 /	
A Performon reco	ad (inœval size a	חל חשות ספר)	27. ACI	O, SHOT, F		NT. SOUEEZE, ETC.
			או אודיפט			IND MATERIAL USED
11091-11124			11091-1 10380-10		2000 gal 7-1 2000 gal 7-1	
10880-10938	(.38" 29)		10880-11			Medallion 3000
<u>.</u>					5,000# 20/40	
Cata First Production	ļ	uman Manan (Flower, gas	ist, pumping - Size and cy	oe puro)	Weil Su	THE (Prod. or Sine in)
10~27~04 Sale of Test	Hours Tesses	Oscino	For Oil - 3bl.	Ges - MC	F Water - BbL	Ges - Oil Rang
.,=====	24	18/64 Tex Pe		295	1 127	1746
low Tueing Press.	Canna Pressure	िराद्यम्बद्धः २५ टिसं - विष्	Gas - MCF	, ,	r-BbL Oil Gra	ivity - API - (Carr.)
-	540	<u> </u>			Tes Witnesses By	
9. Эт ровись с Сы <i>тбы</i> - Vented	a, usea for puet, vertied.	. «)			100 11111111111111111111111111111111111	
l La Ammoeu	,					
i gs. Inclina	sion Report.	C=104				· · · · · · · · · · · · · · · · · · ·
	11.	n on both sizes of this form		o ine ses si	my prowiedze and se	
R. T.	= XOXC	Princes Neese	Berry Gildon		Regulatory An	alys 11/9/94
<u>ئىت</u> ر ەسى يەد		7.55		::::e		
V 0	,					

XC: MANGAN, MECREIGHT, WHITE, CLARK, SMITHERMAN

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

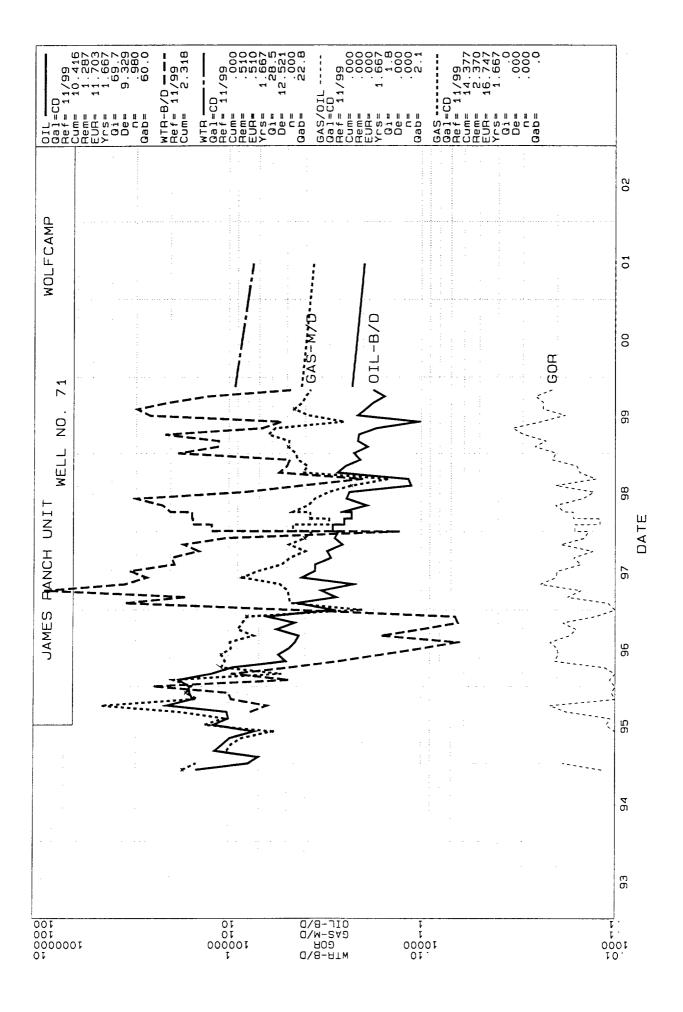
WELL		JAMES RAI	NCH UNIT N	0. 71		_ FORMATION _		WOLFC	EAMP	
OCATION	A	UNIT,	330	FEET FROM	N	LINE &	660	FEET FROM	E	_ LINE
SECTION	36TOWNSH	IP <u>22S</u>	, RANGE	30E	, COUNTY		EDDY		, NEW M	EXICO
SPUD DATE	9/14/94	COMPLET	ION DATE	10/1	5/94	_ INITIAL PRODU	ICTION		10/27/94	
PERFORATIO	NS <u>11,091-1</u>	1,124'								
STIMULATIO	N:									
	ACID PERFS 11	091-11,124' -	2000 GALS	7-1/2% NEFE HC	L & 26 BALL	SEALERS.			··	_
	FRACTURE	PERFS 10,	880-11,124'	- 125,000 GALS	MEDALLION	3000 FLUID + A	DDITIVES 8	x 325,000# 20/	40	
		ECONOPR	OP.							_
										
POTENTIAL	PERFS 10,	880-11,124' -	11/5/94 169	BOPD, 127 BWI	PD, 295 MCFF	PD .				_
POTENTIAL (Attach Copy o	PERFS 10,				PD, 295 MCFF	PD				_
			ch of Complet	ed Well.)						
			ch of Complet							
			ch of Complet	ed Well.)	CALCULA	TION		T PERFORATED LLY PRODUCTIV		
(Attach Copy o			ch of Complet	ed Well.)	CALCULA	TION				
Attach Copy o	of C-105. Attach Copy of		ch of Complet	ed Well.)	CALCULA	TION				
Area (A) prora	of C-105. Attach Copy of acres %		ch of Complet	ed Well.)	CALCULA	TION				
Area (A) prora Porosity (por),	of C-105. Attach Copy of action unit size, acres % on (Sw), %		40 11.6%	ed Well.)	CALCULA	TION				
Area (A) prora Porosity (por), Water saturatio	of C-105. Attach Copy of action unit size, acres % on (Sw), %		40 11.6% 42%	ed Well.)	CALCULA	TION				
Area (A) prora Porosity (por), Vater saturatio Net Thickness (Temperature (T	of C-105. Attach Copy of action unit size, acres % on (Sw), % (h), ft.		40 11.6% 42%	ed Well.)	CALCULA	TION				
Area (A) prora Porosity (por), Water saturatio Net Thickness (ation unit size, acres % on (Sw), % (h), ft. T), Fahrenheit ressure (P), psia		40 11.6% 42% 13.5	ed Well.)	CALCULA	TION				

Commercial Determination Page #1 2/10/00

PERFORMANCE DATA

(If sufficient history exists, atta	ach plot of oil production rate	v time.)			
CUMULATIVE PRODUCTIO	on to	11/1/99	;10,416	BBLS	
INITIAL RATE (qi)	_	7-	0	_	
ECONOMIC LIMIT (qi)		6	0	_	
DECLINE RATE, dy		Hyperbolic d =	9.33% n = .98	_	
REMAINING OIL (Q) =	_	98	34		
ULTIMATE RECOVERABLE	OIL	11,4	100		
(Attach plat showing proration	n unit and participating area.)				
		ECON	OMIC		
WELL COST \$	825,000 (to the depth o	of formation completed)			
RECOMPLETION COST \$	0				
TOTAL COST \$	825,000				
YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW	
ZERO	0	o	0	-825,000	
1	700	11,100	3,200	7,800	
2	4,500	76,100	19,900	52,700	
3	2,500	54,600	14,300	30,700	
4	1,200	24,200	16,000	6,200	
5	800	11,800	15,200	-2,300	
6	700	14,900	15,400	-300	
7	800	18,900	15,700	1,800	
8	300	6,500	6,500	0	
9					
10					
REMAINDER					

WELL IS NOT COMMERCIAL



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

		G :-	OTHER QUAL : CD		*600 DISC. FREQUENCY: 365. OWNER QUAL: CD	1*2 38*12 1*600 10.0 DISC CD OWNE	: 1*2 3 : 10.0 : CD	TIME FRAMES : PW %-AGE : PROD QUAL :		BASE DATE : 11/94 P.W. DATE : 11/94 REPORT DATE : 11/94
					CUML, MB	. 3 8	F 14.38	CUMG, MMF	NC 10.42 B 10.42	201 LOSS NO 205 CUMO, MB 10 PROJECT ASSUMPTIONS
1 1 2 2 2 1 3 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ITEM	•	; ; ;	ITEM	RAMETERS	RESERVE PARAMETERS
825.0	825.0	!	11/94	825.000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	94 AD LIFE	11/94 TO	495.00 M\$G	330.00	800 DRILL 801 SALVAGE
ESC. TælæR			MONTH	TOTAL T&I	PROCEDURE		TIME	TANGIBLES & INTANGIBLES	TANGIBLES	INVESTMENT
FINAL RATE	INIT. RATE	EFF. DECL	LAST 2/00 2/00 2/00 2/00	ULTIMATE	PROCEDURE	SCHEDULE UNTIL	SCHEL	# # #	SCHEDULING RATES P.OIL OIL # P.GAS GAS # P.WATER WTR #	OVERLAYS 905 LOAD 910 LOAD 915 LOAD

·

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

RESERVES AND ECONOMICS EFFECTIVE DATE: 11/94

0 96.6 2 807.8 3 -711.1 1 -711.1	.0 -17.2 17.3 -711.1	1.8 .0 1.8 -728.4	3 .0 3 -730.2	-2.3 .0 -2.3 -729.9	6.2 .0 6.2 -727.6	30.7 .0 .0 30.7 -733.8	52.7 .0 .52.7 -764.5	7.8 825.0 -817.2 -817.2	31) NET INCOME 32) INVESTMENTS & RISK 33) BFIT NET 34) CUM BFIT NET
	∪ ∪ ∪ . ⊢ .	3. 2.		- u - 44 · c	8.1	36.3	56.3	-817.1	٠. ،
		3. 0.20		-3.4 0	8. 0 1 0	36.3	56.3	7.9 825.0	27) + NEI OWNED - PAID 28) = NET INCOME 29) - INVESTMENTS & RSK
			. 0		. 0		. 0		
		0	0	0			 o o		25) - CAPITAL REPAYMENT
	6.0	14.3	14.3	14.3	14.3	14.3	14.3	2.4	t
	<u>.</u> :-	. 4.4				ر بر . بر .		 o œ	22) - AD VALOREM TAX
	ه. • س	18.9	14.9	11.8	24.2	54.6	76.1	11.1	GH PONC
O	. 000	.000	. 000	. 000	. 000	. 000	.000	.000	18) WATER PRICE, \$/B
		 u u	 	 Մ	1.0		 N N	0	16) GROSS WATER, MB 17) NET WATER, MB
ON	1.2	3.1 2.470	3.1 2.140	2.2 1.980	4.1 2.460	7.4 2.480	8.1 1.810	1.5 1.760	
17 (_	۱ . ا د	1 4	1.1	1.7	3.0	4.5	. 9	
וט		1.4	1.6	μ ω	1.9	ω		1.0	GAS PHASE
Ω.	19.76	24.03	18.34	13.52	19.83	21.35	17.48	15.97	OIL PRICE, \$,
uu u	ت. ناد.	15.8	11.8	9.6	20.1	47.2	68.1	9.6	10) OIL REVENUE, M\$
			. 7	1 œ	. 1 2) N	4. U	. 7	OIL PHASE 8) GROSS OIL, MB
- 0	-33.1	. 0	. 0	.0	.0	. 0	. 0	825.0	TOTAL
0	. 0	. 0	.0	.0	. 0	. 0	. 0	. 0	5) RISK
	-33.0							825.0	INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS
\sim	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	1) WORKING INTEREST, & 2) REVENUE INTEREST, &
	!	;	!	1	1	1 1 1 1	! ! ! !	† 1 9 8 7	OWNERSHIP
\vdash	12/01		12/99	12/98	12/97	12/96	12/95	2/9	PERIOD ENDING
			EFFECTIVE DATE: 11/94	TIVE DAT	EFFEC				

AFTER TAX ECONOMICS

EFFECTIVE DATE: 11/94

321.3 807.8 -486.5	7.3 -17.2 24.5 -486.5	7.0 .0 7.0 -511.0	6.3 .0 6.3	8.0 .0 8.0 -524.3	18.8 .0 18.8 -532.3	42.8 .0 42.8 -551.1	51.5 .0 51.5 -593.9	179.6 825.0 -645.4 -645.4	PRESENT WORTH @ 10.00 &
-251.0 358.9 358.9 792.0	13.7 13.7 13.8 13.8 146.8	14.3 -9.2 12.4 12.4 12.4	14.3 -10.5 10.0 10.0 10.0	14.3 -14.9 11.6 .0 .0 11.6 11.6	14.3 -16.4 24.5 2.0 24.5 24.5 24.5	14. 2 50. 5 .0 .0 50. 5	14.4 .0 1.2 55.0 .0 .0 .0 55.0	2.4 .0 -173.2 181.1 .0 .0 .0 181.1 825.0 -643.9	
218.0 15.7 94.4 .0 .0 .495.0 .330.0 -717.0 .0 .717.0 .35.0 .0 .251.0	6.5 6.0 6.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	18.9 1.4.3 14.3 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	14.9 1.1 1.1 1.4.3 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	11.8 .9 .0 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	24.2 1.7 1.0 14.3 14.3 .0 .0 .55.0 .0 -46.9 .35.0 .0	54.6 3.9 14.4 .0 .0 .0 .77.0 .0 .77.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	76.1 5.5 14.4 1.0 .0 .0 .0 52.7 3.5 .0 3.5 .0 3.5	11.1 .0 2.4 .0 .0 495.0 7.9 -495.0 .0 -495.0 35.0 .0	4) GROSS REV. TO INTR. 5) - SEVERANCE TAX 6) - WPT TAX NET 7) - OPR. COSTS & ATX 8) + NPI OWNED - PAID 9) - OVERHEAD 10) - EXPENSED INV. 11) - DEPRECIATION 12) = NET 13) - DEPLETION 12) = NET 13) - DEPLETION 12) = TAXABLE 16) * TAX RATE, % 17) - TAX CREDIT 18) - WPT REFUND 19) = F.I.T.
495.0	-33.0							INVESTMENTS, MS CAP INT 495.0 .0 .0 330.0	TAX TREATMENT OF INVESTMENT. 1) EXP, RISK & CAP INT. 2) DEPLETABLE 3) DEPRECIABLE TAX CALCULATIONS, M\$
6.6 YR TOTAL	12/01	12/00	E: 11/94 12/99	EFFECTIVE DATE: 11/94 2/97 12/98 12/99	12/97	12/96	12/95	12/94	PERIOD ENDING

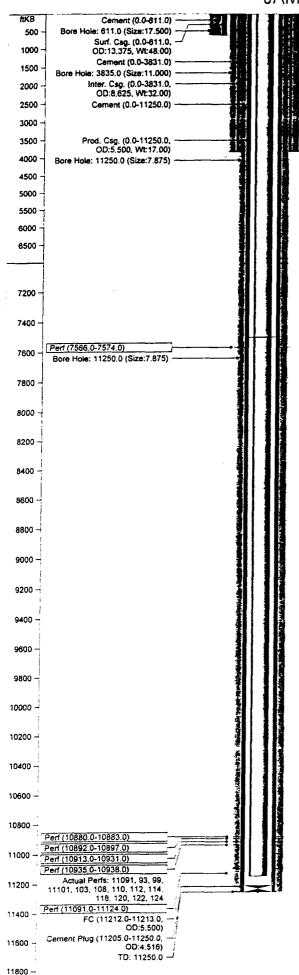
DATE : 02/07/00
TIME : 13:42:49
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 46

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

ECONOMIC INDICATORS

AS OF DATE: 11/94

	. 40	. 12	DISCOUNTED NET/INVEST.
	.45	14	UNDISCOUNTED NET/INVEST.
	6.58	6.58	DISCOUNTED PAYOUT, YRS.
	6.58	S. 6.58	UNDISCOUNTED PAYOUT, YRS.
	. 0	. 0	RATE OF RETURN, PCT.
-693.518	-616.399	-779.887	100.
-694.081	-604.280	-772.855	80.
-694.551	-596.801		70.
-695.118	-587.949	-763.603	60.
-695.690	-577.185	-757.699	50.
		-750.475	40.
-695.600	-545.925	-741.262	30.
	-521.597	-728.872	20.
	-486.465	-711.135	10.
-683.120	-477.568	-706.639	8.
-680.009	-467.877	-701.735	6.
-678.220	-462.706	-699.115	5.
-671.725	-445.737	-690.492	2.
-666.261	-433.070	-684.030	0.
		15000	TOTAL OF METORIE 40. BORO
		S TABLE	-RETURN VS. BO
		Đ	PRESENT WORTH PROFILE AND
M\$	M\$	M\$	
BONUS	WORTH	WORTH	
A.F.I.T.	A.F.I.T.	B.F.I.T.	



JAMES RANCH API No.	3001527		C+=	tue		ACT	<u> </u>
TD	11250.0		Sta	tus ineer		ACT (
PBTD	11205.0		Eng	Ineer	 -	ICA/	·
Operator	BEPC		Per	mit			
Well No.	71	<u> </u>	Spt		+	9/14/9	04
ID Code			RR		 -	10/10/	
	LOS MED	ANOS		npletion		10/28/	
Author	RAS		1 26	t Act.		10/20/	34
Date Updated	12/28/9			indoned			
	Drilled by		- Ope	indoned			
Location	Dimed by	2111011			 -		
Township	S0:	22	Ton	Latitude		 -	
TOWNSHIP	30.			Langitude			<u>)</u>
Range	E0:	30	Top	NS Dista	nce) ft N
Kango			Top	EW Dist	ance		OffE
Section	36	3	Bott	lom Latitu	de)
Unit Ltr.	A			om Longi)
State	NEW M	EXICO		NS Dista		0.0	ft
County	EDI			EW Dista		0.0	ft
Elevations							
KB	3338	.7 ft	Cas	Fing	:	0.0) ft
	3322			Head	i) ft
KB-Grd	16.7				•		
Casing String -	Surface	Casino	7				
tem	Top I			ID :	Wt	Grd	Thd
in)		tKB)		-	-		
13 3/8 in Surf.	0.0 6		14:	12.720	48.00	H-40	
Csg.						i ,	!
Casing String -	Intermed	liate C	asing				
tem	Top	Stm	nts	ID .	Wt	Grd	Thd
in)	(ftKB) (f				***		1 1114
3 5/8 in Inter.	0.0.38	31.0	90	7 920	32.00	K-55	STC
Osg.	. 0.0.00	, ,	:	7.520	02.00	, 1000	. 0,0
Casing String -	Producti	on Car	nais				
tem	Top E		nts	ID	Wt	Grd	Thd
in)	(ftKB) (f		ints	,,	***	Giù	mu
1/2 in Prod.	0.0.12	50.0	262	4.890	17.00	P-110	LTC
Csg.	, 0.0 / 2	.00.0	202	7.000	,,,,,,,	. ,,,	
1/2 in FC	1212.0 12	13.0		0.000	0.00		
Casing Cement							
Casing String	To	p A	mour	nt i	Соп	nments	
		B)	(sx)	7			
Surface Casing		0.0		25			
ntermediate Casin	a ;	0.0		25			
Production Casing		0.0	22	54			
ubing String -	Primary '	Tubino					
tem		Btm	Jnts	ID	Wt	Grd	Thd
in)	•	(ftKB)	3	(in)	- * *	J. u	, , , , ,
7/8 in Tbg	0.0	7499.0	240		6.5	0 N-80	8rd
1/2 in Baker	7499.0	7502.0		2.875			
Model B TAC				1			
7/8 in Tbg	7502.0:1	1143.0	117	2.441	6.50	0 N-80	8rd
7/8 in Mech. SN				0.000			
//strainer			, <u> </u>	i	:		
Other (plugs, eq	uip., etc.) - Plu	g Bac	k			
Date		Item				int	
						(ftKB)
10/10/94 Cer	nent Plug				112	05.0 - 1	1250.0
erforations							
Date		Int			hots	Statu	JS
					(/ft)		
10/16/94	11091	1.0 - 11	124.0			.4	
	10880	0.0 - 10	383.0			.0	
10/20/94	10892	2.0 - 10	397.0			.0	
10/20/94		3.0 - 109	31.0			.0	
	10913					.0	
10/20/94	10913	5.0 - 109	J38.U				
10/20/94 10/20/94	10913 10935				4.	.0	
10/20/94 10/20/94 10/20/94 11/15/96	10913 10935 7566	5.0 - 109 5.0 - 75			4.	.0	
10/20/94 10/20/94 10/20/94 11/15/96 timulations & T	10913 10935 7566 Freatmen	5.0 - 109 5.0 - 75 ts		Fluid			mment
10/20/94 10/20/94 10/20/94 11/15/96	10913 10935 7566 Freatmen In	5.0 - 109 5.0 - 753 ts nterval		Fluid	4 Sar		mment
10/20/94 10/20/94 10/20/94 11/15/96 timulations & T	10913 10935 7566 Freatmen In	5.0 - 109 5.0 - 75 ts		Fluid			mment

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 ½% 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 State of New Mexico ... therep. Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Instruction on back Submit to Appropriate District Office

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

Instruction on back Submit to Appropriate District Office State Lease — 4 Copies Fee Lease — 3 Copies

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

OIL CONSERVATION DIVISION

• • , ... •

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

I AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number	`~~		Pool Code			unn	Pool Name		
	115-270	12/	66	352		<u> </u>		Pool Name rda Ridge (B		
Property	Code				•	erty Nen			Tell N	
)				JA	MES R				71	
OGRID N	o.	}			•	etor Nam			Eleva	
001801		<u> </u>	BA:	SS ENT	ERPRIS	ES PR	ODUCTION CO) <u>. </u>	332	2'
		.*			Surfac	ce Loc	ation			
UL or lot No.	Section	Township	Range	Lot Idn	Feet fre	m the	North/South line	Feet from the	Rast/West line	County
A	36	225	30E		33	0	NORTH	660	EAST	EDD
	<u></u>	·	11 Bottom	Hole Lo	cetion I	f Diffe	rent From Sur	(ace		·
UL or lot No.	Section	Township	Range	Lot Idn	Feet fro		North/South line	Feet from the	East/West line	County
35 07 100 1100			, canta			, iii	Hot ally sould! Tille	reat Hom die	Bast/ west mile	County
<u></u>		1	<u> </u>	<u></u>	<u> </u>					<u> </u>
Dedicated Acre	s Joint o	r intili C	onsolidation	Code Or	der No.					•
40										
NO ALLO	WABLE W	TILL BE A	SSIGNED	TO THIS	COMPLE	TION U	INTIL ALL INTER	ESTS HAVE BE	EEN CONSOLIDA	ATED
		OR A	NON-STAN	DARD UN	IIT HAS	BEEN	APPROVED BY	THE DIVISION		
				T		1/:	3321.9' 3323.9'	7		
	į						660/	OPERATO	OR CERTIFICAT	ION
	1			1				11	y certify the the inj n is true and compl	
	1						3326.7	, i i	siedge and belief.	
11	1			1		- V	//////			
[]	{						//////	11111	im R. Da	1)
	1						//////	Signature	Com N. Was	uncls
	+	. — — —				- +/-	מהאה אה אה אה אה	il -	iam R. Danne	1 g
	1					l		Printed Nam		
	1			Ī		1		1.6	sion Drillir	ig Supt
	1					1		Title		-
	1		,			1		1 4-	6-94	
	1					ı		Date		
	. 1					i		SURVEYO	R CERTIFICAT	ION
								41	02.01.1	
	1					1			that the well locati is platted from field	
	1					1		1 1		under my
	1					1		11	d that the same to t best of my boilsf	irus and
	1					1				
	1					ļ	_	Mac	eby palowaga	
						1	·	Date Durygo	an wexter	
	+					- + -		Signature &	Superor	\
	I					1			7977	
	1					1		11. 15		<u> </u>
1	, 1		j			1		12 Alask	> TXIN	<u> </u>
1	1					1		W. O. Wel	元。34—47—65	58
	1	•				1		Certificate No	OAN W. WEST	i i
	1	•				1		11	ROHALD J. EIDSON	. 3239

11						27.6				
Submit to Appropriate	•		State of No				· 1719	PREBATA	Fee Clas	_
Dictic Office		Energy, Mine	ais and Nan	urai Res	ionices Deba	riper	חבר	T 100 J	Parison 1-1-17	,
State Lease — 6 copies Fee Lease — 5 copies			A REEL				DEC -!			
DISTRICT		OILEGOV	SERVA	THO	N DIVISI	ION			927	
P.O. Box 1980, Hobbe	NW STO	ai ilii	PO B	x208	3	1		30 015 27	327	
DISTRICT II	>D/ 19310	Sama	PACKE.	ಸುದ್ದು	3 37504-2088	1	_5. Jadicate	Type of Lease		
	EEF INM SOZIO				•		4 See 07	k Gas Lesso Mo.		<u></u>
DISTRICT III 1000 Rio Brazos Rd.,	ATTRC NM 17410						ŀ	, -	<u>~</u>	
		00.000110					mm	mikini	A TOWN	75277
	COMPLETION	OH HECOMPI	EHON HE	POHI	AND LOG			me or Unit Agree	1111111111	
12. Type of Weil: OIL WELL X	GAS WELL	. DRY	OTHER_				7. Loss Na	me or Unit Agree	VARITA .	FD
·	-		_			•		Ŀ	~ 14 18	84
b. Type of Completion		TUO -	D07				James R	anch Unit	7880 .v.	34
VEIL A OVER	DESTEN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	XESYX []	77 12 2 _					138	
2. Name or Operator							L Well Na			
Enron	Oil & Gas	Company						7	71	
3. Address of Operato	•						9. Pool page	a or Wildcat		
P. O.	Box 2267, 1	Midland, Te	xas_7970	12			Und. Bo	ne Spring	/Wolfcamp	
4. Well Location										
Unit Letter	<u>A</u> : <u>33</u> 0	Feet From The	north	l	Line and	660	Feet	From The	ast	Line
									-	_
Section	36	Township	225	Rang	• 30E	N	MPM :	Eddy	Cox	um'y
10. Date Soudded	11. Date T.D. Reach	od 12. Date (Compt (Resay	to Prod.)	13. Ele	evaluous (D.	Få RKB, RT. C	TR. etc.) 14	Elev. Caringhead	i .
9-14-94	10-6-94		0-15-94			3322	' GR		3322'	
15. Total Depth	16. Plug Bac		17. If Muhip	e Compl	. How II	& Intervals	Roury Too	لخا علا	ble Tools	
11,250		1,205	1	oca /		Drilled B	X			
19. Producing interval(s	•							20. Was Direction	zai Survey Made	•
11091-11124		<u>& 10880-10</u>	938 (Bon	e Spr	ing)			Мо		
21. Type Electric and Ot							22 Was W	'ell Corred		
SDL-DSN, D	<u> </u>							No_		
23.		CASING F	ECORD	(Repo	rt all string	s set in	weil)			
CASING SIZE	I WEIGHT LB		TH SET		OLE SIZE		MENTING F	LECORD	AMOUNT PU	JUED
13-3/8	1 48	1	611	17	-1/2		C1 C		Circula	ted
8-5/8	1 32	3	831	11	_	1300	PSL C &	225 C1 Cl	Circula	ted
5-1/2	1 17	11:	250	1 7	-7/8	11189	Super H	& 1065 C1	Н	
	<u> </u>							1		
	1					<u> </u>		<u> </u>		
24		LINER RECC	RD			25.	TU	BING RECO		
SIZE !	TOP	BOTTOM	SACKS CE	MENT	SCREEN.		21 <u>7.</u>	DEPTH SE.	PACKE	R SET
			!			No	ne	<u> </u>		
. D		and much>	1			l CIOT			COMPANIE T	
26. Perforation reco	er (mævar 2125	aid number)			DEPTH INT			E CEMENT. NT AND KIND !		
	4 00H 10									
11091-11124	•	•			10880-10			al 7-1/2% al 7-1/2%		
10880-10938	(.38" 29])			10880-11			0 gal Med:		00
28.			PRODU	CTIO				20/40 Ecor		///
Data First Production	l Pr	oduction Method //					20,000		Prod. or Shut-in)	
10-27-94	,	Flowing						P.	roducino	
Date of Test	Hours Tosted	Cooke Suza	Prod's For		жі - Вы.	Gas - M		Valer - BbL	Gas - Oil I	Rauo
11-5-94	24	18/64	Test Perio	4 1	169	29	5	127	1746	!
Flow Tubing Press	Casing Pressure	्रियांशक्त 24 संद्यार हेश्रद	Oil - BbL		Gas - MCF	W	ter - BbL		API - (Corr.)	1
_	640	!	<u> </u>		1		· · · · ·	1 40.0		
3. Disposition of Gas (So.	id, used for fuel. were	ed. etc.)					Test Wi	icaesed By		
Vented									<u> </u>	
30. List Amenments	.									
Logs, Inclina	tion Report	. <u>C-104</u>	of this to-	17 17114 0	nd complete to	1 (00 000	of my manie	dee and belief		
• ••	1.1.		uj iini ju rm		with the to	ا متكانا عدد با	of mile MUDANIES	بحد مدم دسې		
Signature Bett	$- X: 0 \triangle$	C41 >	Printed B	0 F F 17	Gildon		Regula	tory Analy	rst_ 11/0	106
Signature Clin	- mula	<u> </u>	Name	eccy	3110011	Tid	e		Date 11/2	
•	• •									

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 ests 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

Rustler Southeastern	New Mexico	Northwestern	New Mexico
T. ASSET 310	T. Canyon	T. Ojo Alamo	T. Perm. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt 3610	T. Atoka	T. Picorred Cliffs	
		T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Grznite
T. Paddock	T. Ellenburger	T. Dakota	T
T. Blinebry		T. Morrison	
T. Tubb		T. Todilto	T
T. Drinkard		T. Entrada	T
T. Abo	T. 3rd B.S. Sand 10545	T. Wingate	T
T. Wolfcamp	T. Wolfcamp 10980	T. Chinle	
T. Penn	T	T. Permain	T.:
T. Cisco (Bough C)	T	T. Penn "A"	T
). 1. from. 10880	OIL OR GAS SA to 10938 Bone Sprin	NDS OR ZONES g No. 3, from	to
No. 2. from1.1Ω91	to. 11124 WOIICamp	No. 4, from	
		VATER SANDS	
Include data on rate of water inflow			•
No. 1, from			
No. 2, from			•
No. 3, from			
LIT	HOLOGY RECORD (A	ttach additional sheet if necessa	ry)

From	To	Thickness in Feet	Lithology	From	Та	Thickness in Feet	Lithology
0	615	615	Surface Rock				
615	2405	1790	Red Bed		[1 1	
2405	3665	1260	Salt, Anhy]]	
3665		920	Dolo, Anhy	İ			
4585		6665	Sand, Shale, LS	1		1	
						1	
] [
j	1					1 1	
1			-				
1	1		1			1	
	1						
1	j			l			
}	}	,					
ł	}	i				!	
1							
1	1	- 1	}}				

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

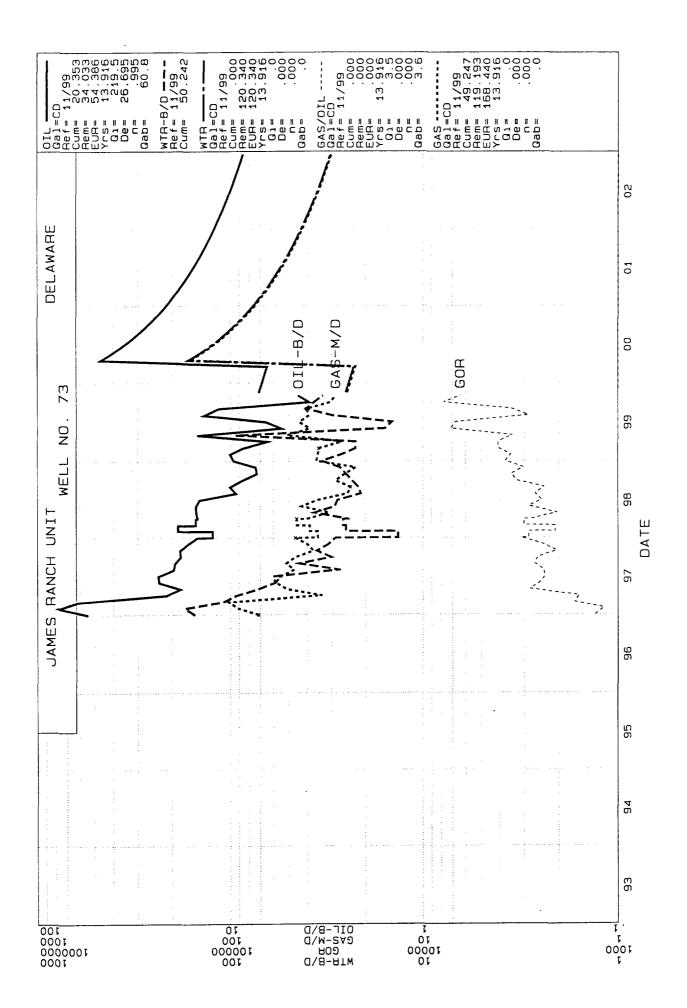
WELL DATA

		MES RANCH UN	NIT NO.	73	FORMATION		DELAV	VARE	
OCATION	с	_unit,	330	FEET FROM N	LINE &	1980	FEET FROM	w	_ LINE
ECTION6_	TOWNSHIP	23S, F	RANGE	31E, COUN	тү	EDDY		NEW M	EXICO
PUD DATE	6/29/96	_COMPLETION	DATE	12/17/96	INITIAL PRODU	ICTION		12/17/96	
ERFORATIONS	7530-7590'								
TIMULATION:									
ACID	1000 GALS 7	7-1/2% FERCHE	CK SC A	CID + 25 BALL SEA	ERS.				_
FRACTU	RE	28,000 GALS I	DELTA F	FRAC 25, 95,000# 2	0/40 BROWN SAND,	ex 24,000#	16/30 BROWN	SAND WIT	 <u>н</u> 0.5%
		PROP WRAP.		 			······································		_
									_
									_
OTENTIAL	1/2/97 134	BOPD, 188 BWPI	D, 83 M	CFPD.					_
OTENTIAL Attach Copy of C-105. /									_
									_
			Complet		CULATION				_
			Complet	ted Well.)			F PERFORATED LY PRODUCTIV		
Attach Copy of C-105. /	Attach Copy of W		Complet	ted Well.)					
Attach Copy of C-105. A	Attach Copy of W	Vellbore Sketch of	VO	ted Well.)		POTENTIAL			
	Attach Copy of W	Vellbore Sketch of	VO 40	ted Well.)		POTENTIAL 40			
Attach Copy of C-105. A	Attach Copy of W	Vellbore Sketch of	VO 40	ted Well.)		40 15.0%			
rea (A) proration unit size prosity (por), % Vater saturation (Sw), % et Thickness (h), ft.	Attach Copy of W	Vellbore Sketch of	40 12.0%	ted Well.)		40 15.0% 63%			
rea (A) proration unit size prosity (por), %	Attach Copy of W	Vellbore Sketch of	40 12.0% 60%	ted Well.)		40 15.0% 63% 25			
rea (A) proration unit size prosity (por), % Vater saturation (Sw), % et Thickness (h), ft. emperature (T), Fahrenhe	Attach Copy of W	Vellbore Sketch of	40 12.0% 39 120	ted Well.)		40 15.0% 63% 25 120			
rea (A) proration unit size prosity (por), % fater saturation (Sw), % et Thickness (h), ft. emperature (T), Fahrenhe	Attach Copy of W	Vellbore Sketch of	40 12.0% 60% 39 120 3,275	ted Well.)		40 15.0% 63% 25 120 3,139			

PERFORMANCE DATA

					
(If sufficient history exists,	attach plot of oil production ra	ate v time.)			
CUMULATIVE PRODUC	TION TO	11/30/99	;20,353	BBLS	
		PR	ODUCING		BEHIND PIPE
INITIAL RATE (qi)			220		1,337
ECONOMIC LIMIT (ql)			60		60
DECLINE RATE, dy (Hyp	erbolic, n=.995)		26.70%		82.89%
REMAINING OIL (Q) =			6,847	-	24,000
ULTIMATE RECOVERA	BLE OIL		51,200		
(Attach plat showing prora	ation unit and participating area	.)			
		EC	ономіс		
WELL COST \$	570,000 (to the dept	h of formation complete	d)		
RECOMPLETION COST	\$ 65,000 (4/20	Ō0)			
TOTAL COST \$	635,000				
YEAR	GROSS OIL	<u>revenue</u>	OPERATING COST	10% NET BF17 DISCOUNTED CASH FLOW	
ZERO	0	o	0	-570,000	
1	1,700	36,400	6,700	29,600	<u> </u>
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	





(

JAMES RANCH UNIT #73 DELAWARE PREPARED BY: KENT ADAMS

CALCULATED DATA

INPUT DATA

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

701 OWN/WI	700 LSE/WI	570 PRI/OIL 575 PRI/GAS	565 ATX	555 STX/OIL 560 STX/GAS	550 OPC/T	544 PRI/WTR 545 "	539 *		517 *		534 "	533 .		531 PRI/GAS	526 *	525 "	524 "	523 *		531	219		517		440 START	435 WTR/OIL	430 START	425 GAS/OIL	420 START	410 OIL 415 "	405 START	ITEM
100.0000	100.0000	9100 1300	.17	7.08 7.93	1600.00	.5000	2.57	2.58	2.27	2.11	2.59	2.61	1.94	1,8900	18.13	18.18	19.20	20.67	24.94	10 25	20.74	22.26	18.39	16.8800	12/96	3.55	11/99	3.49	11/99	219.52 1520.80	11/99	SCHEDULING RATES
D	D	9100 1300	×	××	×	.5000	×	×	× ×	: ×	×	×	×	×	×	×	×	×	× >	< >	< >	< ×	: ×	×		3.50		3 . 5		××		G RATES
ф	*	\$/B	*	de de	M/\$	\$/U \$/U	W/\$	\$\ X	^ ¥ 3	×/×	\$/M	S/M	S/M	S/M	\$/B	\$/B	\$/B	\$/B	s/B	9 0) t	\$/B	S/B	\$/B		u/B		.57 M/B		в/м в/м		
TO	TO	TO	To	To	To	1/2000 TO	To	1/2002	1/2000	1/99	1/98	1/97	1/96	1/95	TO	1/2004	1/2003	1/2002	1/2001	1/2000	1/98	1/97	1/96	1/95		To		05/2019 AD		04/2000 AD 33.00 IMU		SCHEDULE UNTIL
LIFE	LIFE	LIFE	LIFE	LIFE	LIFE	AD LIFE	LIFE	8 8	B B	8	ď	AD 1	₹	XX/MM	LIFE	Ą	đ	₹ ;	8 8	Ě	ě	8	8	XX/WW		LIFE		AD D		AD IMU		UNTIL
FLAT	FLAT	54	РC	od Od	SCH	PC PC	PC	7 5	o o	Dq	Dď	PC	D.	n N	Ŋ	Эđ	PC	od o	ָרָ מַ	7 6	D.C.	DQ	PC	PC		LIN		LOG		H/0.995 H/0.995		PROCEDURE
. 00	. 00	. 00	. 00	. 00	240	.00	.00		. 00	.00	. 00	.00	. 00	. 00	.00	.00	. 00	. 00		. 00	. 00	. 00	. 00	.00		TIME		TIME		26.69 82.90		1 1
																														21.385 54.386		ULTIMATE
9/13	9/13	9/13 9/13	9/13	9/13 9/13	9/13	11/96 11/96	9/13	12/01	12/99	12/98	12/97	12/96	11/96	9/13	9/13	12/03	12/02	12/01	12/00	12/98	12/97	9/13	9/13	9/13		9/13		4/19		3/00 9/13		LAST
										•																				26.69 82.90		EFF. DECL
1.000	1.000	910 130	. 002	.071	1600.000	. 500	2.570	2.580	2.270	2.110	2.590	2.610	1.940	1 890	18.130	18.180	19.200	20.670	19.250	14.430	20.740	22.260	18.390	16.880						220. 1521.		INIT. RATE
1.000	1.000	18.130 2.570	.002	.071 .079	1600.000	.500	2.570	2.580	2.270	2.110	2.590	2.610			18.130	18.180	19.200	20.670	19.250	14.430	20.740	22.260								194. 61.		FINAL RATE

PROJECT ASSUMPTIONS BASE DATE : 12/9 P.W. DATE : 12/9 REPORT DATE : 12/9	201 LOSS NO 205 CUMO, MB 210 LOSS NO	RESERVE PARAMETERS	800 DRILL 801 WORKOVER 802 SALVAGE	INVESTMENT	000	OVERLAYS	761 OWN/ORR	740 LSE/RIG 760 LSE/ORR	721 OWN/RI	720 LSE/RIC
12/96 12/96 12/96	70 20,35	ETERS	240.00 .00 -24.00	TANGIBLES	P.OIL OIL # P.GAS GAS # P.WATER WTR	SCHEDULING RATES	.0000	12.5000	.0000	12.5000
TIME FRAMES : PW %-AGE : PROD QUAL :	CUMG, MMF	ITEM	330.00 M\$G 65.00 M\$G .00 M\$G	TANGIBLES & INTANGIBLES	~ # [*]	G RATES	D **	D D	ם	ال مد
1*1 38*12 1*600 10.0 DISC	49.25	! ! ! !	12/96 4/2000 TO	TIME		SCHEDULE UNTIL	To	To	To	TO
12 1*600 DISC. OWNER			AD AD LIFE	f t t t		E UNTIL	LIFE	LIFE	LIFE	LIFE
FREQUENCY :	CUML, MB	ITEM	Ď	PROCEDURE		PROCEDURE	FLAT	FLAT FLAT	FLAT	FLAT
365. CD			. 00	† † †		i i i t	.00	. 00	. 00	. 00
OTF		1 1 1 1 1 1	570.000 65.000 -24.000	TOTAL T&I	20.487 50.104 50.242	ULTIMATE				
OTHER QUAL :		t 1 1 1 1	12/96 4/ 0 9/13	HTNOM	2/00 2/00 2/00	LAST	9/13	9/13 9/13	9/13	9/13
 G		1 1 1 1 1 1		RISK INV.		EFF. DECL				
			570.0 65.0 -24.0	TOT. T&I&R		INIT. RATE		.125		. 125
			570.0 65.0 -24.0	ESC. T&I&R		FINAL RATE		. 125		. 125

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

RESERVES AND ECONOMICS EFFECTIVE DATE: 12/96

				9449	TIVE DAT	p: 12/30							
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	TOTAL
OWNERSHIP	:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	! ! !	! ! ! !	1 1 1 1 1	f 1 1 1	1 1 1	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1) WORKING INTEREST, & 2) REVENUE INTEREST, &	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 : 87.500	100.000 87.500
INVESTMENTS, M\$													
3) BORROWED CAPITAL	. 0	. 0	. 0	. 0		. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0
_	570.0		. 0	. 0	65.0	. 0		. 0		. 0	635.0	-24.0	611.0
_	. 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	۵. 4.	9.2	л	3.7	2.7	2.1	1.8	45.5	5.7	51.2
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
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													
GRO	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
14) GAS REVENUE, MS	4.6	17.5 43.0	11.6	11.3 24.1	28.8	17.8	11.3	20 20 20 20 20 20 20 20 20 20 20 20 20 2	16.6		120.4	17.4	137.8
GAS PRICE, \$	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													
	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	.500	23.1 .500	.500	11.5 .500	33.8	.080	13.1	9.6	7.6 .080	.080	138.9	19.9 .080	158.8 .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
	2.6	15.7	•	5.7	19.3	10.6	6.4	٠. د.	. s	2.9	77.4	9.4	86.8
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
•	2.4	11.5	4.4	5.7	2.7	1.7	1.0	. 8	. 6		31.3	1.6	32.9
					. 0		. 0	. 0	. 0	. 0	.0	. 0	. 0
27) + NEI OWNED - PAID		د د				- c					. 0	. 0	
# 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 30) - BFIT NET	570.0 -540.2	.0 170.3	54.0	.0 47.2	65.0 157.2	112.6	59.9	36.6	_0 24.8	.0 17.2	635.0 139.4	-24.0 51.0	611.0 190.4
@ 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
BFIT NET CUM BFIT NET	-540.4 -540.4	160.7	46.1	36.5 -297.1	108.8	71.3	34.3	18.9	11.6 -52.3	7.3	-45.0 -45.0	15.6	-29.4

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

...)

AFTER TAX ECONOMICS

PRESENT WORTH @ 10.00 30) NET INCOME 31) INVESTMENTS & RISK 32) A.F.I.T. NET 33) CUM. A.F.I.T. NET	20) REVENUE-SEV-WPT 21) - OPR. COSTS & ATX 22) + NPI OWNED - PAID 23) - F.I.T. 24) = A.F.I.T. 25) - LOAN REPAYMENT 26) - INTEREST PAID 27) = NET INCOME 28) - INVESTMENTS & RSI 29) = A.F.I.T. NET	A CALCULATIONS, M\$ 4) GROSS REV. TO INTR. 5) - SEVERANCE TAX 6) - WPT TAX NET 7) - OPR. COSTS & ATX 8) + NPI OWNED - PAID 9) - OVERHEAD 10) - EXPENSED INV. 11) - DEPRECIATION 12) = NET 13) - DEPLETION 14) - INTEREST PD & CAE 15) = TAXABLE 16) * TAX RATE, * 17) - TAX CREDIT 18) - WPT REFUND 19) = F.I.T.	IOD ENDING TREATMENT OF INV EXP, RISK & CAP DEPLETABLE DEPRECIABLE
135.3 SK 570.0 -434.7 T -434.7	33.8 AIX 4.0 AID -106.1 135.8 T .0 135.8 RSK 570.0	TR. 36.4 TR. 2.6 10 11D .0 330.0 2.9 -303.1 CAP .0 CAP .0 .0 CAP .0 .0 CAP .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/96
116.4 .0 .116.4 -318.3	201.4 31.1 .0 46.9 123.4 .0 .0 .123.2	217.1 15.7 .0 31.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/97
47.1 .0 47.1 -271.2	77.7 23.7 -1.2 55.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	83.8 6.1 23.7 .0 23.7 .0 .0 57.4 -3.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/98
34.8 .0 34.8 -236.4	72.3 25.1 2.5 45.0 .0 .0 .0 .0 45.0	78.0 5.7 .0 25.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/99
124.0 46.6 77.5 -158.9	244.5 22.3 .0 44.8 177.4 .0 .0 177.4 65.0	263.8 19.3 22.3 22.3 0 65.0 65.0 29.3 127.9 127.9 127.9	2/99 12/00 12/01 2/99 12/00 12/010 65.0 .0 .0 .0 .0 .0
51.1 .0 51.1 -107.9	133.7 21.1 31.9 80.7 .0 .0 .0 .0 80.7	144.3 10.6 21.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/96
26.6 .0 26.6 -81.3	20.4 20.4 13.5 46.4 6.4 6.4	2 86 6.46 221 38004 44004 13004	12/02
16.2 .0 16.2 -65.1	56.6 20.1 5.3 31.3 31.3 31.3	61.1 4.5 20.1 20.1 15.1 15.1 35.0 35.0	12/03
9.0 .0 9.0 -56.1	19.9 5.6 19.2 19.2 19.2 19.2	1 4 8 3 8 4 8 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	12/04
4.7 .0 4.7 -51.3	36.9 19.8 6.0 11.2 11.2 11.2	39.9 2.9 19.8 19.8 17.2 17.2 35.0	12/05
565.2 616.6 -51.3	981.8 207.4 8.8 725.6 .0 725.6 .0 725.6 635.0	1059.2 77.4 207.4 .0 395.0 240.0 139.4 .0 139.4 .0 139.4 .0	S TOT 395.0
6.2 -6.1 12.3	118.4 91.4 9.5 17.6 17.6 17.6 17.6 -24.0	127.8 9.4 91.4 91.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	AFTER
571.4 610.5 -39.1 -39.1	1100.2 298.8 .0 58.3 743.2 .0 .0 743.2 611.0 132.2	1187.0 86.8 298.8 .0 298.0 .0 395.0 240.0 166.4 166.4 35.0	13.8 YR TOTAL 395.0 .0 216.0

JAMES RANCH UNIT #73 DELAWARE PREPARED BY: KENT ADAMS

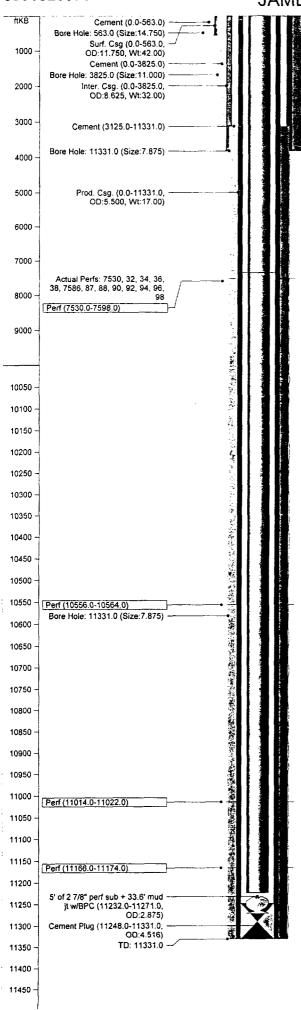
DATE : 02/09/00
TIME : 13:49:30
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 12

)

ECONOMIC INDICATORS

AS OF DATE: 12/96

	. 94	. 95	DISCOUNTED NET/INVEST.
	1.22	. 1.31	UNDISCOUNTED NET/INVEST.
	13.75	13.75	DISCOUNTED PAYOUT, YRS.
	5.46	S. 5.07	UNDISCOUNTED PAYOUT, YRS.
	7.2	8.3	RATE OF RETURN, PCT.
-371.875	-348.528	-421.406	100.
-354.629	-328.470	-397.281	80.
-342,789	-314.945	-380.785	70.
-327.505	-297.790	-359.642	60.
-307.043	-275.348	-331.682	50.
4		-293.409	40.
-236.290	-202.110	-238.933	30.
•	-138.762	-157.733	20.
-51.522	-39.062	-29.382	10.
-16.529	-12.257	5.125	æ.
24,475	17.692	43.648	٥.
47.718	34.004	64.612	σ ,
131,666	89.211	135.445	2.
203.354	132.180	190.431	ø.
		S TABLE	-RETURN VS. BO
		AND	PRESENT WORTH PROFILE A
М\$	M\$	M\$	
BONUS	WORTH	WORTH	
A.F.I.T.	A.F.I.T.	B.F.I.T.	



Casing String - Surface Casing Item											
TD			30015	28979	St	atus			ACT	OIL	
Operator Meli No. 73 Spud 6/29/96 ID Code RR 7/16/96 Field LOS MEDANOS Completion 8/2/96 Author RAS Last Act. Last Act. Date Updated 7/23/98 Abandoned Abandoned Operation Author RAS Last Act. Last Act. Date Updated 7/23/98 Abandoned Operation Abandoned Operation Ope			11331								
Well No. 73					!						
ID Code								<u></u>			
Field				3	SI	ud		· 	·		
Author			OS ME	DANOS			tion	 			
Date Updated Orilled by Enron Drilled by Enron Drilled by Enron Orilled Section Top Latitude Original Section O									0/2/3		
Comments		dated									
Township						,		<u> </u>			
Township								·			
Range				5023	To	p Lat	itude			0	
Top EW Distance					To	p Lor	ngitude			m	
Section 6	Range			E031	To	p NS	Distan	ce	330.0 ft N		
Unit Ltr. C Bottom Longitude O State NEW MEXICO Btm NS Distance 0.0 ft County EDDY Btm EW Distance 0.0 ft Elevations KB 3311.0 ft Cas Fing 0.0 ft Grd 3298.0 ft Tub Head 0.0 ft KB-Grd 13.0 ft Casing String - Surface Casing Item Top Btm Jnts ID Wt Grd (in) (ftKB) (ftKB) String - Intermediate Casing Item Top Btm Jnts ID Wt Grd (in) (ftKB) (ftKB) String - Intermediate Casing Item Top Btm Jnts ID Wt Grd (in) (ftKB) (ftKB) String - Production Casing Item Top Btm Jnts ID Wt Grd (in) (ftKB) (ftKB) String - Production Casing Item Top Btm Jnts ID Wt Grd (in) (ftKB) (ftKB) String - Production Casing Item Top Btm Jnts ID Wt Grd (in) (ftKB) (ftKB) Surface Casing O.0 1331.0 Intermediate Casing O.0 3310 Intermediate Casing O.0 310 Intermediate Casing 3125.0 1000 TOC by Temp Survey Tubing String - Primary Tubing Item Top Btm Jnts ID Wt Grd Thd (in) (ftKB) (ftKB) (in) (ftKB) (ftKB) Surface Casing O.0 3757.0 224 2.441 6.50 N-80 8rd String - Primary Tubing Item Top Btm Jnts ID Wt Grd Thd (in) (ftKB) (ftKB) String - Primary Tubing Item Top Btm Jnts ID Wt Grd Thd (in) (ftKB) (ftKB) String - Primary Tubing Item Top Btm Jnts ID Wt Grd Thd (in) (ftKB) (ftKB) String - Primary Tubing Item Top Btm Jnts ID Wt Grd Thd (in) (ftKB) (ftKB) String - Primary Tubing Item Top String - Primary Tubing Item Top String - Primary Tubing Item Top String - Primary Tubing Item Top String - Primary Tubing Item Top String - Primary Tubing Item Top String - Primary Tubing Item Top String - Primary Tubing Item Top String - Primary Tubing Item Top String - Primary Tubing Item Top String - Primary Tubing Item Top String - Primary Tubing Item Top Stri											
State											
County EDDY Btm EW Distance 0.0 ft											
RE											
KB		ons									
Grd 3298.0 ft Tub Head 0.0 ft		<u> </u>	33	11.0 ft	Ca	s Fln	a	 -	0.	O ft	
Casing String - Surface Casing Item								i			
Item	KB-Grd										
Item	Casing	String -			ng						
11 3/4 in Surf.	Item		Top	Btm			D	Wt	Grd	Thd	
Casing String - Intermediate Casing Item	(in)		(ftKB)	(ftKB)	!					<u> </u>	
Casing String - Intermediate Casing Item		Surf.	0.0	563.0	1	11	.084	42.00	H-40	STC	
Item	Csg			<u>L</u>							
(in) (ftKB) (ftKB) 8 5/8 in Inter. 0.0 3825.0 7.921 32.00 J-55 STC Csg. Casing String - Production Casing Item Top Btm Jnts ID Wt Grd Thd (in) (ftKB) (ftKB) ID Wt Grd Thd 5 1/2 in Prod. 0.0 1331.0 4.892 17.00 95&P1 LTC Csg. Casing Cement Comments Comments Casing String Top Amount Comments (ftKB) (sx) Comments Comments Surface Casing 0.0 310 Comments Intermediate Casing 0.0 1075 Comments Production Casing 3125.0 1000 TOC by Temp Survey Tubing String - Primary Tubing Item (ftKB) (ftKB) (in) 2 7/8 in Tbg. 0.0 7357.0 224 2.441 6.50 N-80 8rd 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 <		String -									
8 5/8 in Inter. Csg. Casing String - Production Casing Item Top Btm Jnts ID Wt Grd Thd (in) (ftKB) (ftKB) 5 1/2 in Prod. 0.0 1331.0 4.892 17.00 95&P1 LTC Csg. Casing Cement Casing String Top Amount (sx) 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 Btm Jnts ID Wt Grd Thd (in) (ftKB) (ftKB) 2 7/8 in Tbg. 0.0 7357.0 224 2.441 6.50 N-80 8rd 5 1/2 in Baker 7357.0 7360.0 2.875 0.00 TAC 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd SN Other (plugs, equip., etc.) - Plug Back	Item			1	Jnts	ļ ļi	ם ס	Wt	Grd	Thd	
Casing String - Production Casing Item	(in)				·	<u>!</u>				 	
Casing String - Production Casing Item		Inter.	0.0	3825.0	į	7	.921	32.00 į	J-55	STC	
Item				L	ــــــــــــــــــــــــــــــــــــــ	<u> </u>				<u> </u>	
(in) (ffKB) (ffKB) (ffKB) 5 1/2 in Prod. 0.0 1331.0 4.892 17.00 95&P1 LTC Csg. Casing Cement Comments Comments Casing String Top (ftKB) Amount (sx) Comments Surface Casing 0.0 310 1075 Production Casing 1000 TOC by Temp Survey Tubing String - Primary Tubing Item (ftKB) ID Wt Grd Thd (in) Wt Grd Thd (in) 2 7/8 in Tbg. 0.0 7357.0 224 2.441 6.50 N-80 8rd 5 1/2 in Baker 7357.0 7360.0 2.875 0.00 2.875 0.00 TAC 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in Tbg. 7360.0 11223.0 1224.0 0.000 0.00 0.000 0.00 0.000 0.00 SN Other (plugs, equip., etc.) - Plug Back		String -									
5 1/2 in Prod. 0.0 1331.0 4.892 17.00 95&P1 LTC Csg. Casing Cement Top (ftKB) Amount (sx) Comments Surface Casing 0.0 310 310 Intermediate Casing 0.0 1075 Production Casing 3125.0 1000 TOC by Temp Survey Tubing String - Primary Tubing Item (in) Top (ftKB) ID Wt Grd Thd (in) 2 7/8 in Tbg. 0.0 7357.0 224 2.441 6.50 N-80 8rd 5 1/2 in Baker 7357.0 7360.0 224 2.441 6.50 N-80 8rd 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in HF Mech. 11223.0 11224.0 0.000 0.000 0.00 SN Other (plugs, equip., etc.) - Plug Back						11	D	Wt	Grd	Thd	
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 Btm Jnts ID Wt Grd Thd (in) (in) (ftKB) (in) 2 7/8 in Tbg. 0.0 7357.0 224 2.441 6.50 N-80 8rd 5 1/2 in Baker 7357.0 7360.0 2.875 0.00 TAC 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in HF Mech. 11223.0 11224.0 0.000 0.00 0.00 SN Other (plugs, equip., etc.) - Plug Back	(in)		(ttKB)	(MKB)						1	
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 Btm Jnts ID (in) Wt Grd Thd (in) (ftKB) (ftKB) (in) 2 7/8 in Tbg. 0.0 7357.0 224 2.441 6.50 N-80 8rd 5 1/2 in Baker 7357.0 7360.0 2.875 0.00 TAC 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in HF Mech. 11223.0 11224.0 0.000 0.00 0.00 SN Other (plugs, equip., etc.) - Plug Back	F 4/0 : 1	D	0.0	4024.0		ļ	200	47.00	OF PD4	LTC	
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 Btm Jnts ID (in) Wt Grd Thd (in) 2 7/8 in Tbg. 0.0 7357.0 224 2.441 6.50 N-80 8rd 5 1/2 in Baker 7357.0 7360.0 2.875 0.00 TAC 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in HF Mech. 11223.0 11224.0 0.000 0.00 0.00 SN Other (plugs, equip., etc.) - Plug Back	5 1/2 in	Prod.	0.0	1331.0	:	4	.892	17.00	95&P1	LTC	
Columbia	5 1/2 in l Csg.		0.0	1331.0		4	.892	17.00	95&P1	LTC	
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 Btm Jnts ID Wt Grd Thd (in) (ftKB) (ftKB) (in) 27/8 in Tbg. 0.0 7357.0 224 2.441 6.50 N-80 8rd 5 1/2 in Baker 7357.0 7360.0 2.875 0.00 TAC 27/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in HF Mech. 11223.0 11224.0 0.000 0.000 0.00 SN Other (plugs, equip., etc.) - Plug Back	5 1/2 in l Csg. Casing	Cement	0.0	1331.0			.892			<u> </u>	
Intermediate Casing	5 1/2 in l Csg. Casing	Cement	0.0	1331.0 Top	Amo	unt	.892			<u> </u>	
Production Casing 3125.0 1000 TOC by Temp Survey Tubing String - Primary Tubing Top (ftKB) Btm (ftKB) ID (in) Wt Grd Thd (in) 2 7/8 in Tbg. 0.0 7357.0 224 2.441 6.50 N-80 8rd 5 1/2 in Baker 7357.0 7360.0 2.875 0.00 0.00 TAC 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 8rd 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 8rd 2 7/8 in HF Mech. 11223.0 11224.0 0.000 0.00 0.00 SN Other (plugs, equip., etc.) - Plug Back	5 1/2 in Csg. Casing Casi	Cement ng String	0.0	1331.0 Top ftKB)	Amo (sx	unt	.892			<u> </u>	
Item (in) Top (ftKB) Btm (ftKB) Jnts (in) ID (in) Wt (in) Grd Thd (in) 2 7/8 in Tbg. 0.0 7357.0 224 2.441 6.50 N-80 8rd 5 1/2 in Baker 7357.0 7360.0 TAC 2.875 0.00 2.875 0.00 0.00 8rd 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 8rd 2 7/8 in HF Mech. 11223.0 11224.0 SN 0.000 0.000 0.00 Other (plugs, equip., etc.) - Plug Back	5 1/2 in l Csg. Casing Casi	Cementing String	0.0	1331.0 Top ftKB)	Amo (sx	unt) 310	.892			<u> </u>	
(in) (ftKB) (ftKB) (in) 2 7/8 in Tbg. 0.0 7357.0 224 2.441 6.50 N-80 8rd 5 1/2 in Baker 7357.0 7360.0 2.875 0.00 TAC 2.875 0.00 8rd 3.00 1223.0 121 2.441 6.50 N-80 8rd 8rd 2.7/8 in HF Mech. 11223.0 11224.0 0.000 0.000 0.00 SN Other (plugs, equip., etc.) - Plug Back	5 1/2 in Csg. Casing Casi Surface Intermed	Cement ing String Casing diate Casin	0.0	Top (tKB) 0.0	Amo (sx	unt) 310 075		Com	nments		
2 7/8 in Tbg. 0.0 7357.0 224 2.441 6.50 N-80 8rd 5 1/2 in Baker 7357.0 7360.0 2.875 0.00 TAC 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in HF Mech. 11223.0 11224.0 0.000 0.00 SN Other (plugs, equip., etc.) - Plug Back	5 1/2 in Csg. Casing Casi Surface Intermed	Cement ing String Casing diate Casin on Casing	0.0 (1	Top ftKB) 0.0 0.0 3125.0	Amor (sx	unt) 310 075		Com	nments		
2 7/8 in Tbg. 0.0 7357.0 224 2.441 6.50 N-80 8rd 5 1/2 in Baker 7357.0 7360.0 2.875 0.00 TAC 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in HF Mech. 11223.0 11224.0 0.000 0.00 SN Other (plugs, equip., etc.) - Plug Back	5 1/2 in Csg. Casing Casi Surface Intermed	Cement ing String Casing diate Casin on Casing	0.0 (I	Top ftKB) 0.0 0.0 3125.0 y Tubi	Amo (sx 1 1	unt) 310 075	TOC by	Com	Surve) 	
TAC 2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in HF Mech. 11223.0 11224.0 0.000 0.00 SN Other (plugs, equip., etc.) - Plug Back	5 1/2 in Csg. Casing Casi Surface Intermed Producti Tubing	Cement ing String Casing diate Casin on Casing	0.0 (1	Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE	Amo (sx 1 1 ng	unt) 310 075 000	TOC by	Com	Surve	yThd	
2 7/8 in Tbg. 7360.0 11223.0 121 2.441 6.50 N-80 8rd 2 7/8 in HF Mech. 11223.0 11224.0 0.000 0.00 SN Other (plugs, equip., etc.) - Plug Back	5 1/2 in Csg. Casing Casing Casi Surface Intermed Producti Tubing Item (in) 2 7/8 in	Cementing String Casing diate Casing on Casing String -	(formation of the control of the con	Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKB	Amo (sx 1 1 ng 1 Jn 3)	unt) 310 075 000	TOC by ID (in) 2.441	Com y Temp Wt 6.50	Surve	yThd	
2 7/8 in HF Mech. 11223.0 11224.0 0.000 0.000 SN Other (plugs, equip., etc.) - Plug Back	5 1/2 in Csg. Casing Casing Casing Casing Casing Casing Curiate Casing Casing Casing Curiate Casing	Cementing String Casing diate Casing on Casing String -	(formation of the control of the con	Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKB	Amo (sx 1 1 ng 1 Jn 3)	unt) 310 075 000	TOC by ID (in) 2.441	Com y Temp Wt 6.50	Surve	yThd	
SN Other (plugs, equip., etc.) - Plug Back	5 1/2 in Csg. Casing Casing Casi Surface Intermed Producti Tubing Item (in) 2 7/8 in 5 1/2 in I	Cementing String Casing flate Casin on Casing String - Tbg. Baker	0.0 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Top ftKB) 0.0 3125.0 y Tubi Btm (ftKE 0 7357 0 7360	Amo (sx 1 1 ng 1 Jn 3)	unt) 310 075 000 ts	ID (in) 2.441 2.875	V Temp Wt 6.50	Gradin N-80	Thd	
Other (plugs, equip., etc.) - Plug Back	5 1/2 in Csg. Casing Casing Casi Surface Intermed Producti Tubing Item (in) 2 7/8 in TAC 2 7/8 in	Cementing String Casing diate Casin on Casing String - Tbg. Baker	0.0 (1 Primar Top (ftKB) 0.0 7357.0	Top ftKB) 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360	Amor (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	unt) 310 075 000 ts	ID (in) 2.441 2.875 2.441	Vt 6.50	Gradin N-80	Thd	
	5 1/2 in Csg. Casing Casing Casi Surface Intermed Producti Tubing Item (in) 5 1/2 in I TAC 2 7/8 in 2 7/8 in 2 7/8 in I	Cementing String Casing diate Casin on Casing String - Tbg. Baker	0.0 (1 Primar Top (ftKB) 0.0 7357.0	Top ftKB) 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360	Amor (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	unt) 310 075 000 ts	ID (in) 2.441 2.875 2.441	Vt 6.50	Gradin N-80	Thd	
	5 1/2 in Csg. Casing Casing Casi Surface Intermed Producti Tubing Item (in) 2 7/8 in TAC 2 7/8 in 2 7/8 in SN	Cementing String Casing diate Casin on Casing String - Tbg. Baker Tbg. HF Mech.	0.0 (1 Primar Top (ftKB) 0.0 7357.0	Top ftKB) 0.0 3125.0 y Tubi Btm (ftKE 0 7357 0 7360 0 11224	Amor (sx 1 1 ng 1 Jn 3) 7.0 2	310 075 000 ts	ID (in) 2.441 2.875 2.441	Vt 6.50	Gradin N-80	Thd	
	5 1/2 in Csg. Casing Casing Casi Surface Intermed Producti Tubing Item (in) 5 1/2 in I TAC 2 7/8 in 2 7/8 in I SN Other (Cementing String Casing diate Casin on Casing String - Tbg. Baker Tbg. HF Mech. plugs, ec	0.0 (1 Primar Top (ftKB) 0.0 7357.0	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE 0 7357 0 7360 0 11223 0 11224	Amo (sx 1 1 ng 1 Jn 3) (s.0 2 0.0 1 1.0 lug B	310 075 000 ts	ID (in) 2.441 2.875 2.441	Vt 6.50	Grd) N-80	Thd	
(fike)	5 1/2 in Csg. Casing Casing Casi Surface Intermed Producti Tubing Item (in) 2 7/8 in TAC 2 7/8 in 2 7/8 in SN	Cementing String Casing diate Casin on Casing String - Tbg. Baker Tbg. HF Mech. plugs, ec	0.0 (1 Primar Top (ftKB) 0.0 7357.0	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE 0 7357 0 7360 0 11223 0 11224	Amo (sx 1 1 ng 1 Jn 3) (s.0 2 0.0 1 1.0 lug B	310 075 000 ts	ID (in) 2.441 2.875 2.441	Vt 6.50	Gradin N-80	y Thd O 8rd O 8rd	
7/16/96 Cement Plug 11248.0 - 11331.0	5 1/2 in Csg. Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Surface Producti Tubing Item (in) 2 7/8 in 5 1/2 in I TAC 2 7/8 in 1 SN Other (Dat	Cementing String Casing Gasing on Casing String Tbg. Baker Tbg. HF Mech. plugs, ed	0.0 (1) Primar Top (ftKB) 0.0 7357.0 7360.0	Top (ftKB) 0.0 0.0 3125.0 y Tubi (ftKE) 7357 7360 11223 0 11224 ttc.) - P	Amo (sx 1 1 ng 1 Jn 3) (s.0 2 0.0 1 1.0 lug B	310 075 000 ts	ID (in) 2.441 2.875 2.441	V Temp Wt 6.50 0.00 6.50	Gradin N-80	yThd O 8rd O 8rd	
7/16/96 Cement Plug 11248.0 - 11331.0	5 1/2 in Csg. Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Surface Producti Tubing Item (in) 2 7/8 in 1 5 1/2 in 1 TAC 2 7/8 in 1 SN Other (Dat	Cementing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ed	0.0 (1) Primar Top (ftKB) 0.0 7357.0 7360.0	Top (ftKB) 0.0 0.0 3125.0 y Tubi (ftKE) 7357 7360 11223 0 11224 ttc.) - P	Amo (sx 1 1 ng 1 Jn 3) (s.0 2 0.0 1 1.0 lug B	310 075 000 ts	ID (in) 2.441 2.875 2.441	V Temp Wt 6.50 0.00 6.50	Gradin N-80	yThd O 8rd O 8rd	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations	5 1/2 in Csg. Casing Ca	Cementing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ed	0.0 (1) Primar Top (ftKB) 0.0 7357.0 7360.0	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE 0 7357 0 7360 0 11223 0 11224 ttc.) - Pt	Amo: (sx 1 1 1 1 1 1 1 1 1	310 075 000 ts	TOC by ID (in) 2.441 2.875 2.441 0.000	V Temp Wt 6.50 0.00 1112	Grd O N-80 O N-80 O N-80 O N-80 O N-80 O N-80 O N-80	y	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots Status	5 1/2 in Csg. Casing Ca	Cementing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ed	0.0 (1) Primar Top (ftKB) 0.0 7357.0 7360.0	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE 0 7357 0 7360 0 11223 0 11224 ttc.) - Pt	Amo: (sx 1 1 1 1 1 1 1 1 1	310 075 000 ts	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 6.50 0.00	Grd O N-80 O N-80 O N-80 O N-80 O N-80 O N-80 O N-80	y	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations	5 1/2 in Csg. Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Surface Intermed Producti Tubing Item (in) 2 7/8 in 5 1/2 in I TAC 2 7/8 in I SN Other (Dat 7/16/ Perfora	Cement ing String Casing flate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ece e	7360.0 11223.0 ment Plu	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi (ftKE 0 7357 7360 0 11223 0 11224 ttc.) - P Ite	Amo (sx 1 1 ng J Jn 3) '.0 2 '.0 2 '.0 1	unt) 310 075 000 ts 24 21 aack	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 6.50 0.00	Grado N-80	y	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Shots Status (/ft)	5 1/2 in Csg. Casing Ca	Cementing String Casing flate Casing on Casing String - Tbg. Baker Tbg. HF Mech. plugs, ece 96 Centions ate	0.0 (1 Primar Top (ftKB) 0.1 7357.0 11223.0 quip., e	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE 0 7357 7360 0 11223 0 11224 ttc.) - P Ite	Amo (sx 1 1 ng 1 Jn 3) 7.0 2 1.0 1.0 1.0	unt) 310 075 000 tts 24 21 000 000 000 000 000 000 000 000 000	TOC by ID (in) 2.441 2.875 2.441 0.000	Vt 6.50 0.00 6.50 0.00 1124 hots (/ft) 4.	Grado N-80	y	
7/16/96 Cement Plug	5 1/2 in Csg. Casing Ca	Cement ing String Casing flate Casin on Casing String - Tbg. Baker Tbg. HF Mech. plugs, ece e 96 Cen ations ate 1/96 8/96	7360.0 (11223.0 (11123.0 (11123.0	1331.0 Top (tKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360 11223 0 11224 ttc.) - P Ite 166.0 - 014.0 - 556.0 -	Amor (sx 1 1 ng J Jn 3) 2.0 2 0.0 1 0.0 1 0.0 1 11174. 11022. 10564.	unt) 310 075 000 ts 24 21 000 000 000 000 000 000 000 000 000	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 6.50 0.00 1124 hots (/ft) 4.4	Surve	y	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) 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	5 1/2 in Csg. Casing Ca	Cementing String Casing diate Casing on Casing String - Tbg. Baker Tbg. HF Mech. Plugs, ede 1/96 8/96 22/96 7/96	7360.0 (11223.0 7360.0 11223.0 11123.0 11123.0 11123.0	1331.0 Top (tKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360 0 11223 0 11224 ttc.) - P Ite 166.0 - 014.0 - 556.0 - 530.0 -	Amor (sx 1 1 ng J Jn 3) 2.0 2 0.0 1 0.0 1 0.0 1 11174. 11022. 10564.	unt) 310 075 000 ts 24 21 000 000 000 000 000 000 000 000 000	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp y Temp 0.00 0.00 1124 hots (/ft) 4.	Surve	y	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) 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	5 1/2 in Csg. Casing Ca	Cementing String Casing diate Casing on Casing String - Tbg. Baker Tbg. HF Mech. Plugs, ede 1/96 8/96 22/96 7/96	7360.0 (11223.0 7360.0 11223.0 11123.0 11123.0 11123.0	1331.0 Top (tKB)	Amor (sx 1 1 ng J Jn 3) 2.0 2 0.0 1 0.0 1 0.0 1 11174. 11022. 10564. 7598.0	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	y	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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 Comment	5 1/2 in Csg. Casing Ca	Cement ing String Casing diate Casin on Casing String Thg Baker Thg HF Mech Plugs, ed e 1/96 8/96 22/96 7/96 ations & Type	7360.0 (11223.0 7360.0 11223.0 11123.0 11123.0 11123.0	1331.0 Top (tKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360 11223 0 11224 tc.) - P Ite 166.0 014.0 556.0 630.0 Interverse Interverse Interverse Ite	Amor (sx 1 1 ng J Jn 3) 2.0 2 0.0 1 0.0 1 0.0 1 1.0 1 11174. 11022. 10564. 7598.0	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	Thd 8rd 8rd 1331.0	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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 Comment 8/1/96 Sand Frac 11166.0 - Interval Fluid Sand Comment	5 1/2 in Csg. Casing Ca	Cement ing String Casing diate Casin on Casing String Thg Baker Thg HF Mech Plugs, ed e 1/96 8/96 22/96 7/96 ations & Type	7360.0 (11223.0 7360.0 11223.0 11123.0 11123.0 11123.0	1331.0 Top (tKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360 11223 0 11224 ttc.) - P Ite 166.0 - 014.0 - 556.0 - 530.0 - ents Interval	Amor (sx 1 1 ng J Jn 3) 2.0 2 0.0 1 0.0 1 1.0 1 11174. 11022. 10564. 7598.0	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	Thd 8rd 8rd 1331.0	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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 11174.0 11174.0	5 1/2 in Csg. Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Item (in) 2 7/8 in 1 5 1/2 in 1 TAC 2 7/8 in 1 SN Other (Dat 7/16/ Perfora D 7/3 9/1 11/2 12/ Stimule Date 8/1/96 S	Cement ing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ec e 1/96 8/96 22/96 7/96 ations & Type Sand Frac	7360.0 (11223.0 7360.0 11223.0 11123.0 11123.0 11123.0	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE 0 7357 7360 11223 0 11224 tc.) - P Ite 166.0 - 014.0 - 530.0 - ients Interv. 11166. 11174	Amo (sx 1 1 ng Jn Jn 3) 20.0 2 0.0 1 1.0 1 11174. 11022. 10564. 7598.0	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	Thd 8rd 8rd 1331.0	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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 Comment 8/1/96 Sand Frac 11166.0 - 11174.0 11174.0 9/24/96 Sand Frac 11014.0 -	5 1/2 in Csg. Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Item (in) 2 7/8 in 1 5 1/2 in 1 TAC 2 7/8 in 1 SN Other (Dat 7/16/ Perfora D 7/3 9/1 11/2 12/ Stimule Date 8/1/96 S	Cement ing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ec e 1/96 8/96 22/96 7/96 ations & Type Sand Frac	7360.0 (11223.0 7360.0 11223.0 11123.0 11123.0 11123.0	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE 0 7357 0 7360 0 11223 0 11224 tc.) - P Ite 166.0 - 530.0 - ents Interv: 11166. 11174	Amo (sx 1 1 ng Jn 3) (.0 2 0.0 1 1.0 1 11174. 11022. 10564. 7598.0	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	Thd 8rd 8rd 1331.0	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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 Comment 8/1/96 Sand Frac 11166.0 - 11174.0 11174.0 11014.0 - 11022.0	5 1/2 in Csg. Casing Ca	Cement ing String Casing flate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ec e 96 Ce ations ate 1/96 8/96 22/96 7/96 ations & Type Sand Frac	7357.0 7360.0 11223.0 11121 111 100 7	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi (ftKE 0 7357 7360 0 11223 0 11224 ttc.) - P Ite Int 166.0 - 014.0 - 556.0 - 530.0 - ents Interv: 11166. 11174 11014. 11022	Amo (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	Thd 8rd 8rd 1331.0	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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 Comment 8/1/96 Sand Frac 11166.0 - 11174.0 11174.0 11014.0 - 11022.0 9/24/96 Sand Frac 1530.0 - 7598.0 11022.0 11022.0	5 1/2 in Csg. Casing Ca	Cement ing String Casing flate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ec e 96 Ce ations ate 1/96 8/96 22/96 7/96 ations & Type Sand Frac Sand Frac	7357.0 7360.0 11223.0 11121 111 100 7	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi (ftKE 0 7357 7360 0 11223 0 11224 ttc.) - P Ite Int 166.0 - 014.0 - 556.0 - 530.0 - ents Interv: 11166. 11174 11014. 11022	Amo (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	Thd 8rd 8rd 1331.0	
7/16/96 Cement Plug	5 1/2 in Csg. Casing Ca	Cement ing String Casing flate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ec e 96 Ce ations ate 1/96 8/96 22/96 7/96 ations & Type Sand Frac Sand Frac	0.0 (1) (1) (1) (1) (1) (1) (1) (1	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi (ftKE 0 7357 7360 0 11223 0 11224 ttc.) - P Ite Int 166.0 - 014.0 - 556.0 - 530.0 - ents Interv: 11166. 11174 11014. 11022	Amo (sx 1 1 ng 1 Jn 3) 7.0 2 1.0 1 1	unt) 310 075 000 tts 24	ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 6.50 0.00 1124 hots (/ft) 4. 4. 5. Sar	Surve Grd N-80 N-80 N-80 State State O O O O	Thd Thd 8rd 8rd 1331.0	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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 Comment 8/1/96 Sand Frac 11166.0 - 11174.0 11174.0 11022.	5 1/2 in Csg. Casing Ca	Cement ing String Casing flate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ec e 96 Ce ations ate 1/96 8/96 22/96 7/96 ations & Type Sand Frac Sand Frac	0.0 (1) (1) (1) (1) (1) (1) (1) (1	1331.0 Top ftKB)	Amor (sx 1 1 ng 1 Jn 3) 2 0 2 0 1 10 2 10 1 10 1 10 1 10 2 10 564 7598.0	unt) 310 075 000 tts 24	ID (in) 2.441 2.875 2.441 0.000 S	Com y Temp Wt 6.50 0.00 6.50 0.00 1124 hots (/ft) 4. 4. 5. Sar	Surve Grd N-80 N-80 N-80 State State O O O O	Thd Thd 8rd 8rd 1331.0	
7/16/96 Cement Plug	5 1/2 in Csg. Casing Ca	Cement ing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ed e 1/96 8/96 22/96 7/96 ations ate 1/96 Sand Frac Sand Frac Sand Frac	0.0 (I) (I) (I) (I) (I) (I) (I) (I	1331.0 Top (tKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360 11223 0 11224 tc.) - P Ite 166.0	Amo (sx 1 1ng 1 Jn 3) 2.0 2 3.0 1 5.0 2 1.0 3 11174. 11022. 10564. 7598.0 3 10 - 0 0 - 0 598.0 4 1nt (ftKB)	unt) 310 310 000	TOC by ID (in) 2.441 2.875 2.441 0.000 S luid OD (in)	Com y Temp Wt 6.50 0.00 6.50 0.00 1124 hots (/ft) 4. 4. 5. Sar	Surve Grd N-80 N-80 N-80 State State O O O O	Thd Thd 8rd 8rd 1331.0	
Time	5 1/2 in Csg. Casing Ca	Cement ing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ed e 1/96 8/96 22/96 7/96 ations ate 1/96 Sand Frac Sand Frac Sand Frac Sand Frac Sand Frac	0.0 (I) (I) (I) (I) (I) (I) (I) (I	1331.0 Top (tKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360 11224 11224 11224 11224 11166.0 11174 11014.11022 30.0 - 7	Amor (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	unt) 310 310 075 0000 ts 24 21 21	TOC by ID (in) 2.441 2.875 2.441 0.000 S luid OD (in)	Com y Temp Wt 6.50 0.00 6.50 0.00 1124 hots (/ft) 4. 4. 5. Sar	Surve Grd N-80 N-80 N-80 State State O O O O	Thd Thd 8rd 8rd 1331.0	
	5 1/2 in Csg. Casing Casi Surface Intermed Producti Tubing Item (in)	Cementing String Casing diate Casin on Casing String -	0.0 (1 Primar Top (ftKB)	Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE	Amo (sx 1 1 ng	unt) 310 075 000	TOC by	Com	Surve	; ; ; ; ; ; ; ;	
/fik/D\	Casing Ca	Cementing String Casing diate Casin on Casing String - Tbg. Baker Tbg. HF Mech. plugs, ec	0.0 (1 Primar Top (ftKB) 0.0 7357.0	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE 0 7357 0 7360 0 11223 0 11224	Amo (sx 1 1 ng 1 Jn 3) (s.0 2 0.0 1 1.0 lug B	310 075 000 ts	ID (in) 2.441 2.875 2.441	Vt 6.50	Gradin N-80	y Thd O 8rd O 8rd	
(ftKB)	5 1/2 in Csg. Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Tubing Item (in) 2 7/8 in 1 5 1/2 in I TAC 2 7/8 in 1 SN Other (Dat	Cementing String Casing Gasing on Casing String Tbg. Baker Tbg. HF Mech. plugs, ed	0.0 (1) Primar Top (ftKB) 0.0 7357.0 7360.0	Top (ftKB) 0.0 0.0 3125.0 y Tubi (ftKE) 7357 7360 11223 0 11224 ttc.) - P	Amo (sx 1 1 ng 1 Jn 3) (s.0 2 0.0 1 1.0 lug B	310 075 000 ts	ID (in) 2.441 2.875 2.441	V Temp Wt 6.50 0.00 6.50	Gradin N-80	y	
7/16/96 Cement Plug 11248.0 - 11331.0	5 1/2 in Csg. Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Tubing 1	Cementing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ed	0.0 (1) Primar Top (ftKB) 0.0 7357.0 7360.0	Top (ftKB) 0.0 0.0 3125.0 y Tubi (ftKE) 7357 7360 11223 0 11224 ttc.) - P	Amo (sx 1 1 ng 1 Jn 3) (s.0 2 0.0 1 1.0 lug B	310 075 000 ts	ID (in) 2.441 2.875 2.441	V Temp Wt 6.50 0.00 6.50	Gradin N-80	Thd Srd Srd Srd	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations	5 1/2 in Csg. Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Tubing 1	Cementing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ed	0.0 (1) Primar Top (ftKB) 0.0 7357.0 7360.0	Top (ftKB) 0.0 0.0 3125.0 y Tubi (ftKE) 7357 7360 11223 0 11224 ttc.) - P	Amo (sx 1 1 ng 1 Jn 3) (s.0 2 0.0 1 1.0 lug B	310 075 000 ts	TOC by ID (in) 2.441 2.875 2.441 0.000	V Temp Wt 6.50 0.00 1112	Gradin N-80	Thd O 8rd O 8rd	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations	5 1/2 in Csg. Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Tubing 1 7/8 in 1 SN Other (Dat 7/16/ Perfora	Cementing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ed	0.0 (1) Primar Top (ftKB) 0.0 7357.0 7360.0	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE 0 7357 0 7360 0 11223 0 11224 ttc.) - Pt	Amo: (sx 1 1 1 1 1 1 1 1 1	310 075 000 ts	TOC by ID (in) 2.441 2.875 2.441 0.000	V Temp Wt 6.50 0.00 1112	Grd O N-80 O N-80 O N-80 O N-80 O N-80 O N-80 O N-80	Thd Thd Srd Srd	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Shots Status (/ft)	5 1/2 in Csg. Casing Casing Casing Casing Casing Casing Casing Casing Casing Surface Producti Tubing Item (in) 2 7/8 in 5 1/2 in I TAC 2 7/8 in I SN Other (Dat 7/16/ Perfora	Cement ing String Casing flate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ece e	7360.0 11223.0 ment Plu	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi (ftKE 0 7357 7360 0 11223 0 11224 ttc.) - P Ite	Amo (sx 1 1 ng J Jn 3) '.0 2 '.0 2 '.0 1	unt) 310 075 000 ts 24 21 aack	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 6.50 0.00	Grd O N-80 O N-80 O N-80 O N-80 O N-80 O N-80 O N-80	y	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Shots Status (/ft)	5 1/2 in Csg. Casing Casing Casing Casing Casing Casing Casing Casing Casing Surface Producti Tubing Item (in) 2 7/8 in 5 1/2 in I TAC 2 7/8 in I SN Other (Dat 7/16/ Perfora	Cement ing String Casing flate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ece e	7360.0 11223.0 ment Plu	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi (ftKE 0 7357 7360 0 11223 0 11224 ttc.) - P Ite	Amo (sx 1 1 ng J Jn 3) '.0 2 '.0 2 '.0 1	unt) 310 075 000 ts 24 21 aack	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 6.50 0.00	Grado N-80	y	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) 7/31/96 11166.0 - 11174.0 4.0	5 1/2 in Csg. Casing Ca	Cementing String Casing flate Casing on Casing String - Tbg. Baker Tbg. HF Mech. plugs, ece 96 Centions ate	0.0 (1 Primar Top (ftKB) 0.1 7357.0 11223.0 quip., e	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE 0 7357 7360 0 11223 0 11224 ttc.) - P Ite	Amo (sx 1 1 ng 1 Jn 3) 7.0 2 1.0 1.0 1.0	unt) 310 075 000 tts 24 21 000 000 000 000 000 000 000 000 000	TOC by ID (in) 2.441 2.875 2.441 0.000	Vt 6.50 0.00 6.50 0.00 1124 hots (/ft) 4.	Grado N-80	y	
7/16/96 Cement Plug	5 1/2 in Csg. Casing Ca	Cement ing String Casing flate Casin on Casing String - Tbg. Baker Tbg. HF Mech. plugs, ece e 96 Cen ations ate 1/96 8/96	7360.0 (11223.0 (11123.0 (11123.0	1331.0 Top (tKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360 11223 0 11224 ttc.) - P Ite 166.0 - 014.0 - 556.0 -	Amor (sx 1 1 ng J Jn 3) 2.0 2 0.0 1 0.0 1 0.0 1 11174. 11022. 10564.	unt) 310 075 000 ts 24 21 000 000 000 000 000 000 000 000 000	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 6.50 0.00 1124 hots (/ft) 4.4	Surve	y	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Shots (/ft) Status (/ft) 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	5 1/2 in Csg. Casing Ca	Cementing String Casing diate Casing on Casing String - Tbg. Baker Tbg. HF Mech. Plugs, ede 1/96 8/96 22/96 7/96	7360.0 (11223.0 7360.0 11223.0 11123.0 11123.0 11123.0	1331.0 Top (tKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360 0 11223 0 11224 ttc.) - P Ite 166.0 - 014.0 - 556.0 - 530.0 -	Amor (sx 1 1 ng J Jn 3) 2.0 2 0.0 1 0.0 1 0.0 1 11174. 11022. 10564.	unt) 310 075 000 ts 24 21 000 000 000 000 000 000 000 000 000	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp y Temp 0.00 0.00 1124 hots (/ft) 4.	Surve	Thd Thd Srd Srd	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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	5 1/2 in Csg. Casing Ca	Cementing String Casing flate Casing on Casing String - Tbg. Baker Tbg. HF Mech. Plugs, ede 1/96 8/96 22/96 7/96 ations &	7360.0 (11223.0 7360.0 11223.0 11123.0 11123.0 11123.0	1331.0 Top (tKB)	Amor (sx 1 1 ng J Jn 3) 2.0 2 0.0 1 0.0 1 0.0 1 11174. 11022. 10564. 7598.0	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	y Thd 0 8rd 0 8rd 1331.0	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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 Comment	5 1/2 in Csg. Casing Ca	Cement ing String Casing diate Casin on Casing String Thg Baker Thg HF Mech Plugs, ed e 1/96 8/96 22/96 7/96 ations & Type	7360.0 (11223.0 7360.0 11223.0 11123.0 11123.0 11123.0	1331.0 Top (tKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360 11223 0 11224 tc.) - P Ite 166.0 014.0 556.0 630.0 Interverse Interverse Interverse Ite	Amor (sx 1 1 ng J Jn 3) 2.0 2 0.0 1 0.0 1 0.0 1 1.0 1 11174. 11022. 10564. 7598.0	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	Thd 8rd 8rd 1331.0	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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 Comment 8/1/96 Sand Frac 11166.0 - Interval Fluid Sand Comment	5 1/2 in Csg. Casing Ca	Cement ing String Casing diate Casin on Casing String Thg Baker Thg HF Mech Plugs, ed e 1/96 8/96 22/96 7/96 ations & Type	7360.0 (11223.0 7360.0 11223.0 11123.0 11123.0 11123.0	1331.0 Top (tKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360 11223 0 11224 ttc.) - P Ite 166.0 - 014.0 - 556.0 - 530.0 - ents Interval	Amor (sx 1 1 ng J Jn 3) 2.0 2 0.0 1 0.0 1 1.0 1 11174. 11022. 10564. 7598.0	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	Thd 8rd 8rd 1331.0	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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 11174.0 11174.0	5 1/2 in Csg. Casing Ca	Cement ing String Casing diate Casin on Casing String Thg Baker Thg HF Mech Plugs, ed e 1/96 8/96 22/96 7/96 ations & Type	7360.0 (11223.0 7360.0 11223.0 11123.0 11123.0 11123.0	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE 0 7357 7360 11223 0 11224 tc.) - P Ite 166.0 - 014.0 - 530.0 - ients Interv. 11166. 11174	Amo (sx 1 1 ng Jn Jn 3) 20.0 2 0.0 1 1.0 1 11174. 11022. 10564. 7598.0	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	Thd 8rd 8rd 8rd 1331.0	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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 11174.0 11174.0	5 1/2 in Csg. Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Item (in) 2 7/8 in 1 5 1/2 in 1 TAC 2 7/8 in 1 SN Other (Dat 7/16/ Perfora D 7/3 9/1 11/2 12/ Stimule Date 8/1/96 S	Cement ing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ec e 1/96 8/96 22/96 7/96 ations & Type Sand Frac	7360.0 (11223.0 7360.0 11223.0 11123.0 11123.0 11123.0	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE 0 7357 7360 11223 0 11224 tc.) - P Ite 166.0 - 014.0 - 530.0 - ients Interv. 11166. 11174	Amo (sx 1 1 ng Jn Jn 3) 20.0 2 0.0 1 1.0 1 11174. 11022. 10564. 7598.0	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	Thd 8rd 8rd 8rd 1331.0	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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 Comment 8/1/96 Sand Frac 11166.0 - 11174.0 11174.0 9/24/96 Sand Frac 11014.0 -	5 1/2 in Csg. Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Casing Item (in) 2 7/8 in 1 5 1/2 in 1 TAC 2 7/8 in 1 SN Other (Dat 7/16/ Perfora D 7/3 9/1 11/2 12/ Stimule Date 8/1/96 S	Cement ing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ec e 1/96 8/96 22/96 7/96 ations & Type Sand Frac	7360.0 (11223.0 7360.0 11223.0 11123.0 11123.0 11123.0	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE 0 7357 0 7360 0 11223 0 11224 tc.) - P Ite 166.0 - 530.0 - ents Interv: 11166. 11174	Amo (sx 1 1 ng Jn 3) (.0 2 0.0 1 1.0 1 11174. 11022. 10564. 7598.0	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	Thd 8rd 8rd 8rd 1331.0	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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 Comment 8/1/96 Sand Frac 11166.0 - 11174.0 11174.0 11014.0 - 11022.0	5 1/2 in Csg. Casing Ca	Cement ing String Casing flate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ec e 96 Ce ations ate 1/96 8/96 22/96 7/96 ations & Type Sand Frac	7357.0 7360.0 11223.0 11121 111 100 7	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi (ftKE 0 7357 7360 0 11223 0 11224 ttc.) - P Ite Int 166.0 - 014.0 - 556.0 - 530.0 - ents Interv: 11166. 11174 11014. 11022	Amo (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	Thd 8rd 8rd 8rd 1331.0	
7/16/96 Cement Plug 11248.0 - 11331.0 Perforations Date Int Shots (/ft) Status (/ft) 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 Comment 8/1/96 Sand Frac 11166.0 - 11174.0 11174.0 11014.0 - 11022.0 9/24/96 Sand Frac 1530.0 - 7598.0 11022.0 11022.0	5 1/2 in Csg. Casing Ca	Cement ing String Casing flate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ec e 96 Ce ations ate 1/96 8/96 22/96 7/96 ations & Type Sand Frac Sand Frac	7357.0 7360.0 11223.0 11121 111 100 7	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi (ftKE 0 7357 7360 0 11223 0 11224 ttc.) - P Ite Int 166.0 - 014.0 - 556.0 - 530.0 - ents Interv: 11166. 11174 11014. 11022	Amo (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	unt) 310 075 000 tts 24	TOC by ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 1124 hots (/ft) 4. 2. 1.	Surve	Thd 8rd 8rd 8rd 1331.0	
7/16/96 Cement Plug	5 1/2 in Csg. Casing Ca	Cement ing String Casing flate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ec e 96 Ce ations ate 1/96 8/96 22/96 7/96 ations & Type Sand Frac Sand Frac	0.0 (1) (1) (1) (1) (1) (1) (1) (1	1331.0 Top ftKB) 0.0 0.0 3125.0 y Tubi (ftKE 0 7357 7360 0 11223 0 11224 ttc.) - P Ite Int 166.0 - 014.0 - 556.0 - 530.0 - ents Interv: 11166. 11174 11014. 11022	Amo (sx 1 1 ng 1 Jn 3) 7.0 2 1.0 1 1	unt) 310 075 000 tts 24	ID (in) 2.441 2.875 2.441 0.000	Com y Temp Wt 6.50 0.00 6.50 0.00 1124 hots (/ft) 4. 4. 5. Sar	Surve Grd N-80 N-80 N-80 State State O O O O	Thd Thd 8rd 8rd 1331.0	
Time	5 1/2 in Csg. Casing Ca	Cement ing String Casing flate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ec e 96 Ce ations ate 1/96 8/96 22/96 7/96 ations & Type Sand Frac Sand Frac	0.0 (1) (1) (1) (1) (1) (1) (1) (1	1331.0 Top ftKB)	Amor (sx 1 1 ng 1 Jn 3) 2 0 2 0 1 10 2 10 1 10 1 10 1 10 2 10 564 7598.0	unt) 310 075 000 tts 24	ID (in) 2.441 2.875 2.441 0.000 S	Com y Temp Wt 6.50 0.00 6.50 0.00 1124 hots (/ft) 4. 4. 5. Sar	Surve Grd N-80 N-80 N-80 State State O O O O	Thd Thd 8rd 8rd 1331.0	
7/16/96 Cement Plug	5 1/2 in Csg. Casing Ca	Cement ing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ed e 1/96 8/96 22/96 7/96 ations ate 1/96 Sand Frac Sand Frac Sand Frac	0.0 (I) (I) (I) (I) (I) (I) (I) (I	1331.0 Top (tKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360 11223 0 11224 tc.) - P Ite 166.0	Amo (sx 1 1ng 1 Jn 3) 2.0 2 3.0 1 5.0 2 1.0 3 11174. 11022. 10564. 7598.0 3 10 - 0 0 - 0 598.0 4 1nt (ftKB)	unt) 310 310 000	TOC by ID (in) 2.441 2.875 2.441 0.000 S luid OD (in)	Com y Temp Wt 6.50 0.00 6.50 0.00 1124 hots (/ft) 4. 4. 5. Sar	Surve Grd N-80 N-80 N-80 State State O O O O	Thd Thd 8rd 8rd 1331.0	
7/16/96 Cement Plug	5 1/2 in Csg. Casing Ca	Cement ing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ed e 1/96 8/96 22/96 7/96 ations ate 1/96 Sand Frac Sand Frac Sand Frac	0.0 (I) (I) (I) (I) (I) (I) (I) (I	1331.0 Top (tKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360 11223 0 11224 tc.) - P Ite 166.0	Amo (sx 1 1ng 1 Jn 3) 2.0 2 3.0 1 5.0 2 1.0 3 11174. 11022. 10564. 7598.0 3 10 - 0 0 - 0 598.0 4 1nt (ftKB)	unt) 310 310 000	TOC by ID (in) 2.441 2.875 2.441 0.000 S luid OD (in)	Com y Temp Wt 6.50 0.00 6.50 0.00 1124 hots (/ft) 4. 4. 5. Sar	Surve Grd N-80 N-80 N-80 State State O O O O	Thd Thd 8rd 8rd 1331.0	
7/16/96 Cement Plug	5 1/2 in Csg. Casing Ca	Cement ing String Casing diate Casin on Casing String Tbg. Baker Tbg. HF Mech. plugs, ed e 1/96 8/96 22/96 7/96 ations ate 1/96 Sand Frac Sand Frac Sand Frac Sand Frac Sand Frac	0.0 (I) (I) (I) (I) (I) (I) (I) (I	1331.0 Top (tKB) 0.0 0.0 3125.0 y Tubi Btm (ftKE) 7357 0 7360 11224 11224 11224 11224 11166.0 11174 11014.11022 30.0 - 7	Amor (sx 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	unt) 310 310 075 0000 ts 24 21 21	TOC by ID (in) 2.441 2.875 2.441 0.000 S luid OD (in)	Com y Temp Wt 6.50 0.00 6.50 0.00 1124 hots (/ft) 4. 4. 5. Sar	Surve Grd N-80 N-80 N-80 State State O O O O	Thd Thd Srd Srd Srd Srd Srd Srd Srd S	

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 3/4", 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. Sl. 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.

- 5. 6. 357 1983 Happs, NM EEZ-1-19ED State of New Mexico Energy, Minerals, and Natural Resources Department

797 0-101 Parises 30-10-31

Addresions on socia Suprit to the Apprepriet District Office State Lease - A cooles for Lease - B cooles

<u>DISTRICT II</u> | P. Q. Grower 30 | Adesic, NM 58211-0719 <u>p "RICT III</u> 1 . Rio Brozos Rd. Aziso. NM 87410

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

AMENDED REPORT

DISTRICT IV
F. O. Box 2088
-- Sonic Fe. NM 87507-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT

्रत्य के के किस्य के महिल्ला किसालिया के किसी के किसी किसी किया है।

				DICATION			_
30 G15 28979	* Feel Code 40295	l	u Name Los Medano	os Bone Spr	ing		
Property Code Property N			RANCH UNI	····	g	***** Number	
7 OCZID No. 3 Operator N						ಿ ಔಚಕಚಿತ್ರ	
			& GAS CO		•-	3313	<u> </u>
			LOCATION				
UL or lot ac. Section To-main C 5 23 SOUTH	Reage 31 EAST, N.M.P.M.		330'	North/South lin	1980'	Fast/Yest Une WEST	County EDDY
"BOTTO	M HOLE LOCATI	ON IF	DIFFEREN	NT FROM S	URFACE -		i
UL or lot no. Section Township	Range	Lot Ida	Feet from the	North/South lie	?est (ram the	East/West Nice	County
7 Dedicated Agras 9 Joint or Infill 40	1. Commodidation Code	¹³ Grder 3	ia.		- '		
	LL BE ASSIGNED TO OR A NON-STANDA						
1980	330				SURVEYOR I hereby cartical form of the best of surveys made my supervisore is true best of my Surveys made my supervisore is true best of my Surveys made my supervisore is true best of my Surveys made my supervisore is true best of my	CERTIFICATION of the one of the by me or of the order of	ATION The well and activate under at the to the

(14)y (357)		UNITED ST		ವಿಕ್ಷಮ ಜನವಿಗಳಿಗೆ		ن نتن	FEELANCH'S COPY
	DEPART	MENT OF T	HE INTER	102	rutaeria.	.مارحت 26 فومدرا رن	AMERICAN APP ASSESS OF
	SUR	EAU OF LAND M	TKEKEDAKA	.,,,,,			f G2387-D
WELL CO	MPLETION :	OR RECOMPL	ETION RESO	RicaND, 60	G *	4, 10 (02140	. AUGSTESS SA TAIRS FAM:
उम्म तरहरू वह सर्द			ser 🗆 Joines	000	\ -	i, com est	EEMINT CARR
א דווף א סד כמא	PLETTON:			146/1/10	<u> </u>		
Chi.	TURK PASET		ALLVA GODEN S	2 <u>~ ~ 192</u> ,	<u> </u>	I. FARM G	R LEASE NAME, FELL NO
2. AAME OF OFERAT			00	00	7	ames Ra	nch Unit #73
Enron Oil & (12 000		<u> </u>	المعاددة المارة	
P. O. Box 226		Taxas 79702	\ 0. (915%_686	5 -1714	-	30 U.L	5 28979
4. IDEATION OF SEL		sicarly and in estarda		equirements)		Los Med	anos Bone Soring
At sociace	330' FNL &	1986! ====	1	and the second s			A., M., 98 SEACK ASS SURFEE
At top prod. late	well-tablised pelon	•		The same of the sa			
At total desta	330' FNL &	1986' FWL			s	ec ó, T	23S, R31E
330	' FNL & 1980	37 80.7	FE14:7 PG.	CIUCAL ITAC		2. cquatt a	
		<u> </u>		11/5/06		714185 <u>- 1660</u>	
3. 3472 EPU3023		HES 17. DATE COMP.	_ (Acety to proc.)	18. ECETATION 4 (2	_	cs) •	19. ALEY, CASINGBELS
9-16-96	9-16-96	10-23-	GA 22. je nijuticija ca:	3313' C		NOTANT TOOL	3313'
11331	106		**************************************				1
21. FEODUCIFE 177=27			u, 71112 (40 177 -	, 101		: -	23. H.a attemants
11014 110	72 (7 6	,		•		-	SURVET HADE
11014-110	•	ring)					
S. THE ELECTRIC LA	5 978 E2 1344 287					1	T. THE TELL COME
None		CLEING 270	OZD (Report all ser	ings set in mells			
:d. 	#EIGST, L2./FT.	DEPTH SET (HD)	1 1101.2 2122		ENT, CEHENT	THG 255023	1 HOUST FULLED
1-3/4 H-40 ST	SC 40.6	563	17-1/2	310 37	J-2-		(
8-5/8 <i>I-</i> 55 SI		3825	12-114	1075 87			<u> </u>
5-1/2 CF-95 5		11331	7-7/9	1000 ===	2-a- 50	/50 Pea	_ 203_3:25 _
P-110 LT&C		IR RECORD		1 30.		ING RECOR	<u>.</u>
). •#25						7 4FT (X3)	
				2-7/8'		3914'	
i i	11 1.50		000 1			2	
TERMINATION SECUR	(/=:::::a., :u::'an	4 (44.4.7.7.)	- ::-		ನ್ಯಾಂಗಾತ	. ರಾಜನಾಗ :	SQUEEZ ETC
		JAH 0 8 199	? ! !	(MTEETAL (MS)			OF MATTRIAL SART
.014-11022 (36" 331		\	4-11022			<u> 264 0008 0</u>
.014-11022 (- 33/	<u>~~</u>					100# ic-a 20-43
		QUM .			111		
			FROOUCTION		· · · · · · · · · · · · · · · · · · ·		1771 (2774 mm 27
7 71447 74099 (TION) 10-24-94	ì	ETTHOS (Flowing, 2				10=1=10	()
			. raz a			### ##################################	Oducing
10-26-96	24	_ 7347	47	101	į	52	2149
		10.500.4750 000	101 441-	HCT	**************************************	31	20 C
51470117707 07 444 V				!	74.		39.G
Sold							
5 a	,						
्रे इस् ्राव्यास्थ्याः	<u>:</u> Лан ұстұсын кой	ergezer intormellos	ा लंबकारा १३६ ला		free all as	स्थित्वात र ल्ड्बर	-5.
Kum &	7 1 1 Can	ر عبر Gildon جبہ	Requision	v insiver			12/3/96
219XZ0		<u></u>				31TZ	

Form 3150-4

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

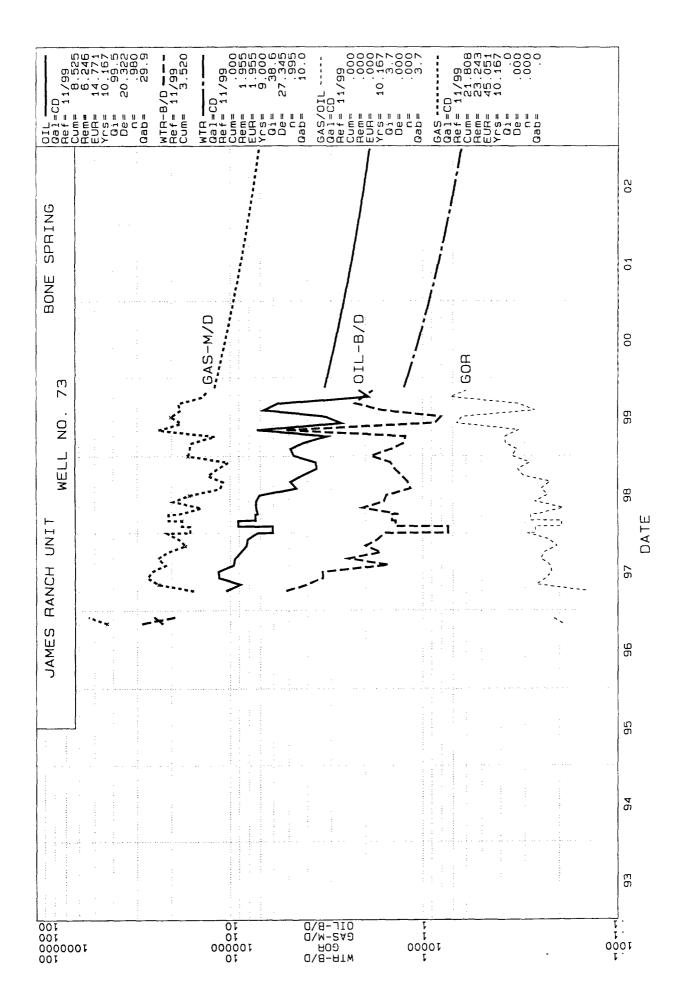
WELL DATA

2/10/00

PERFORMANCE DATA

				· · · · · · · · · · · · · · · · · · ·	
(If sufficient history exists,	attach plot of oil production ra	te v time.)			
CUMULATIVE PRODUC	TION TO	11/1/99	;8,525	BBLS	
INITIAL RATE (qi)		1	00		
ECONOMIC LIMIT (qI)	-		30		
DECLINE RATE, dy	_	Hyperbolic d =	20.32%n = .98	·	
REMAINING OIL (Q) =	_	2,	675		
ULTIMATE RECOVERAB	LE OIL _	11,	,200		
(Attach plat showing prora	tion unit and participating area.)			
		ECO1	NOMIC		
WELL COST \$	825,000 (to the depth	of formation completed)			
RECOMPLETION COST \$,			
TOTAL COST \$	840,000				
YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW	
ZERO	0	0	0	-840,000	
	1,400	33,100	6,100		
1				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



1

(

DATE TIME DBS FILE : 02/07/00 : 13:40:51 : JRUPA

ï				
i				
1 1 1				
ŧ				
1				
!				
i				
•				
1				
:				
i	C			
•	Þ			
	۲			
* * * * * * * * * * * * * * * * * * * *	ALCULATE			
i	Ľ			
	Þ			
ı	Н			
1	Þ			
i	ם	S	SI	5
i		Ö	ij	CBS
	A	SEQ NUMBER	SETUP FILE	7
i	Þ	₹	Ħ	2777.2
	ATA	E	E	Į.
	Þ	70		
		••	••	••
			B	: טאטצא
		۸.	٦	ŝ
		4		Ä

INPUT DATA

740 LSE/RIG	721 OWN/RI	720 LSE/RIC	701 OWN/WI	700 LSE/WI	564 PRI/OIL 569 PRI/GAS	559 ATX	549 STX/OIL 554 STX/GAS	544 OPC/T	539 "	538 "	537 "	536 "		5000		531 PRI/GAS	526 "	525 "	524 "	523 "	522 "	521 *	500 m		517 "	516 PRI/OIL	425 START	420 WTR	415 GAS/OIL	410 OIL	405 START		TTEM
12.5000	.0000	12.5000	100.0000	100.0000	9100 1300	.17	7.08 7.93	1190.00	2.57	2.58	2.60	2.27	2.11	2.50 50	1.94	1.8900	18.13	18.18	19.20	20.67	24.94	19.25	10.74	22.26	18.39	16.8800	10/96	38.63	3.72	99.46	11/99	SCHEDOLING RAIES	SCHEDIT IN
ם כ	ט	ט	ט	U	9100 1300	×	××	×	×	×	×	×	×	× >	: ×	×	×	×	×	×	×	× >	< >	: ×	×	×		×	3.7	×		2 XXI E	יייייייייייייייייייייייייייייייייייייי
.	æ°	₩	æ	مد	0 \$/B 0 \$/M	dip	* *	\$/M	×/×	\$/M	N/S	S/M	S/X	γ. γ. γ. γ.	S/M	S/M	\$/B	\$/B	\$/B	\$/B	\$/B	8/s	5 / B	\$/B	\$/B	\$/B		В/м	2 M/B	в/м		1	1 1
j j	70	To	TO	To	70	To	TO	To	10	1/2002	1/2001	1/2000	1/99	1/98 1/97	1/96	1/95	TO	1/2004	1/2003	1/2002	1/2001	1/2000	1/98	1/97	1/96	1/95		1.96	01/2097 AD	6.25		SCHEDOLE ONTIL	andanda
3317	LIFE	LIFE	LIFE	LIFE	LIFE	LIFE	LIFE	LIFE	LIFE	Ð	A)	AD T	8 8	B B	B	YY/MM	LIFE	Ą	Ð	AD	מא	8 8	ž È	AD.	AD	XX/WW		OWI 9	7 AD	IMU		CNITE	
FLAT	FLAT	FLAT	FLAT	FLAT	od Od	DQ	od Od	SCH	Ö	Ŋď	рc	۲ م ا	מ ה	מ מ	PC	PC	ŋ	РC	Эď	PC	Ö,	מ ה	i i	PC	S.	PC		н/0.995	LIN	н/о.980		FROCEDORE	
00	. 00	.00	. 00	. 00	. 00	. 00	. 00	OPC	. 00	.00	.00	. 00		. 00	. 00	.00	. 00	.00	. 00	.00	. 00	. 00	. 00	. 00	. 00	.00		5 27.34	TIME	0 20.32		1 7 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
																												1.955		14.771		OLTIMATE	
12/09	12/09	12/09	12/09	12/09	12/09 12/09	12/09	12/09 12/09	12/09	12/09	12/01	12/00	12/99	12/98	12/96	9/96	12/09	12/09	12/03	12/02	12/01	12/00	12/99	12/97	12/09	12/09	12/09		10/08	12/96	12/09		LAST	
																												27.35		20.32		EFF. DECL	
.125		.125	1.000	1.000	910 130	. 002	.071 .079	1190.000	2.570	2.580	2.600	2.270	2.590	2.610	1.940	1.890	18.130	18.180	19.200	20.670	24.940	19 250	20.740	22.260	18.390	16.880		39.		99.		INIT. KATE	
.125		.125	1.000	1.000	18.130 2.570	.002	.071 .079	1190.000	2.570	2.580	2.600	2 270	2.590	2.610			18.130	18.180	19.200	20,670	24.940	14.430	20.740	22.260				10.		30.		FINAL RATE	

761 OWN/ORR

.0000

U

ö

LIFE

FLAT

. 00

12/09

PROJECT ASSUMPTIONS BASE DATE : 10/96 P.W. DATE : 10/96 REPORT DATE : 10/96	201 LOSS NO 205 CUMO, MB	RESERVE PARAMETERS	800 DRILL 801 WORKOVER 802 SALVAGE	INVESTMENT	905 LOAD P 910 LOAD P 915 LOAD P	OVERLAYS
	0 8.52	ETERS	330.00	TANGIBLES	P.OIL OIL # P.GAS GAS # P.WATER WTR	SCHEDULING RATES
TIME FRAMES : PW %-AGE : PROD QUAL :	CUMG, MMF	ITEM	15.00 M\$G 15.00 M\$G	TANGIBLES & INTANGIBLES	#	3 RATES
RAMES: 1*3 38*12 1*600 GE: 10.0 DISC. F UAL: CD OWNER C	21.81		10/96 12/96 TO	TIME		SCHEDULE UNTIL
1*600 DISC.			AD AD LIFE			UNTIL
L*600 DISC. FREQUENCY: 365.	CUML, MB	ITEM	; d 1 1 1 1 1 1 1 1	PROCEDURE		PROCEDURE
ОТН	; ; ; ;		825.000 15.000 -33.000	TOTAL T&I	8.590 22.199 3.520	ULTIMATE
OTHER QUAL : CD	 		10/96 12/96 12/9	HTNOM	2/00 2/00 2/00	LAST
 G	1 4 1 2 1 1 1			RISK INV.		EFF. DECL
	1 1 1		825.0 15.0 -33.0	INV. TOT. T&I&R		DECL INIT. RATE
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		825.0 15.0 -33.0	ESC. T&I&R		FINAL RATE

; ;

)

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

RESERVES AND ECONOMICS

			χ υ)3243 3	EFFECTIVE DATE: 10/96	E: 10/96	0 10 10	C	
PERIOD ENDING	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	6.5 YR TOTAL
OWNERSHIP	1	1 1 1 1 1	1 1 1 1	1	1 1	1	;	; 1 1 1	1
1) WORKING INTEREST, % 2) REVENUE INTEREST, %	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000	100.000 87.500	100.000 87.500
INVESTMENTS, M\$									
		. 0	. 0	. 0	. 0	. 0	. 0	. 0	. 0
 EQUITY INVESTMENTS 	840.0							-33.0	807.0
	840.0	. 0	. 0	.0				-33.0	807.0
OIL PHASE									
	1.4	2.9	2.5	1.6	1.0	. 9	.7	. 2	11.2
10) OIL REVENUE. MS	1.2 26.7	49.5	29.2	1.4 26.4	30 . 5		17.0	, <u>.</u>	9.8
OIL PRICE, \$	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	5.5	s 6.	5.9	4. L 0. R	э ы 6 2	2 2 . 8	, o	32.0
	2.480	14.0	10.5	11.0	3 8 . 6) 4.00.0	, , , ,	1 1 .	64.7
WATER PHASE									
GROSS WATER, MI	1.5			 o o		0		0	ω. σ. σ
TOWNER TRICE, 3/B	. 000	. 000	. 000	. 000	. 000	. 000	. 000	. 000	. 000
i 5									
19) GROSS REV. TO INTR. 20) - SEV. TAX	33.1 2.4	63.9 4.6	40.3 2.9	37.4 2.7	29.2 2.1	21.9	17.8 1.3	. u u u	247.4 18.1
23) - AD VALOREM TAX 23) - OPERATING COSTS	3.6	.1 14.3	.1 14.3	.1 14.3	.0 14.3	14.3	14.3	ა. იი	92.8
24) - SWD 25) - CAPITAI, REPAYMENT					. 0			. 0	. 0
1									0
28) = NET INCOME	27.0	44.9	23.0	20.3	12.7	6.0	2.2	 0	.0 136.1
30) = BFIT NET	840.0 -813.0	44.9	.0 23.0	.0 20.3	.0 12.7	6.0	2.2	-33.0 33.1	807.0 -670.9
PRESENT WORTH @ 10.00 %									
ו מ	26.7	41.6	19.3	15.4	8.7	3.7	1.2	. 0	116.8
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

AFTER TAX ECONOMICS

				EFFEC	EFFECTIVE DATE: 10/96	E: 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\$	ENTS, M\$;	!	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1	1 1 1 1	1 1 1	1
1) EXP RISK & CAP INT	510 0	>	>	>	>		-	5	,
	0.0								. O .
_	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		18.1
6) - WPT TAX NET	. 0	. 0	.0	. 0	. 0	. 0	. 0	. 0	.0
,	3.6	14.4	14.3	14.3	14.3	14.3	14.3	3.6	93.2
+						. 0	. 0		. 0
10) - EXPENSED INV.	510.0								
'	11.8	55.5	75.0	53.6	38.3	29.5	29.5	36.8	330.0
	-494.7	-10.7	-52.1	-33.3	-25.6	-23.5	-27.3	-36.8	-703.9
14) - INTEREST PD & CAP	o c								
) = 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
) - TAX	. 0	. 0	. 0	.0	.0	.0	. 0	. 0	. 0
19) = F.I.T.	.0 -173.2	-3.7	-18.2	-11.7	-9.0	-8.2	-9.6	-12.9	.0 ~246.4
20) REVENUE-SEV-WPT	30.7	59.2	37.3	34.6	27.0	20.3	16.5	ა	229.3
21) - OPR. COSTS & ATX	3.6	14.4	14.3	14.3	14.3	14.3	14.3	3.6	93.2
+					. 0	. 0	.0	. 0	.0
,	-173.2	-3.7	-18.2	-11.7	-9.0	-8.2	-9.6	-12.9	-246.4
Н	200.2	48.6	41.2	32.0	21.6	14.2	11.7	12.9	382.5
27) - INTEREST FAID	ر م		<u>ئ</u> ى د				: 		
•	840.0	0.0				O .		0 22 J	807.0
= A.F.I.T. NET	-639.8	48.6	41.2	32.0	21.6	14.2	11.7	45.9	-424.5
NET INCOME	197.7	45.1	34.6	24.3	14.9	8.8	6.6	6.8	338.9
_	839.8)	0		0	-17.4	822.4
33) CUM. A.F.I.T. NET	-642.0 -642.0	45.1 -596.9	-562.3	-538.0	14.9 -523.1	-514.3	6.6 -507.7	-483.5	-483.5 -483.5
						(F 1 . (1 d c c c	1400.0

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

•

JAMES RANCH UNIT # 73 BONE SPRIN

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

j

ECONOMIC INDICATORS

AS OF DATE: 10/96

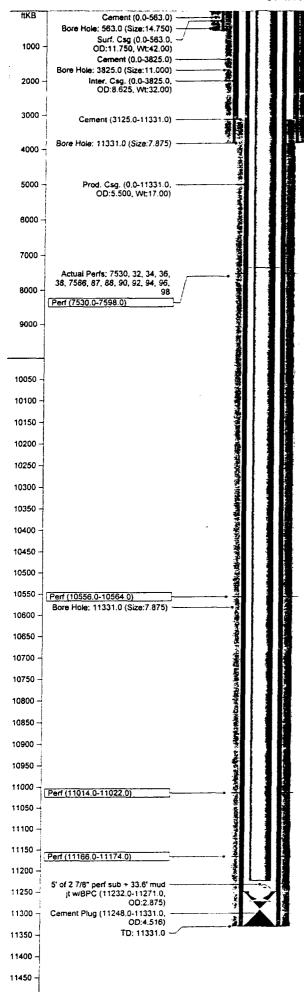
	.47	UNDISCOUNTED NET/INVEST17	UNI
	6.50	DISCOUNTED PAYOUT, YRS. 6.50	DIS
	6.50	UNDISCOUNTED PAYOUT, YRS. 6.50	UNI
	. 0	E OF RETURN, PCT0	RATE
-697.592		1	
-696.896	-620.184	90782.693	
-695.746			
•	-595.771	-769	
-694.630	-584,058	50763.334	
-693.642	-569.193	-755.	
-691.625	-549.575	-743.	
-687.144	-522.532	-728.	
-676.935	-483.498	-705.	
-673.654	-473.638	699.	
-669.767	-462.913	6693.517	
-667.559	-457.196	5690.157	
-659.663	-438.472	2679.125	
-653.118	-424.527	0670.887	
		-RETURN VS. BOI	RA1
		CINT BORTH DROFTLE AND	ָ ק
M\$	М\$	M() () () () () () () () () ()	
BONUS	WORTH	WORTH	
A.F.I.T.	A.F.I.T.	B.F.I.T.	

DISCOUNTED NET/INVEST.

. 14

.41

*29hr



DAMES IVALOR	1 UNIT #73		
API No.	3001528979	Status	ACT OIL
TD	11331.0 ftKB	Engineer	KAA
PBTO	11248.0 ftKB		
Operator	BEPCO	Permit	
Well No. ID Code	73	Spud RR .	6/29/96
Field	LOS MEDANOS	Completion	7/16/96 8/2/96
Author	RAS	Last Act.	0/230
Date Updated	7/23/98	Abandoned	
Comments	Drilled by Enron		
Location			
Township	S023	Top Latitude	0
		Top Longitude	0
Range	E031	Top NS Distanc	
Section	6	Top EW Distance	
Unit Ltr.	- c	Bottom Latitude Bottom Longitud	
State	NEW MEXICO	Btm NS Distanc	e 0.0 ft
County	EDDY	Btm EW Distance	ce 0.0 ft
Elevations			<u> </u>
KB	3311.0 ft	Cas Fing	0.0 ft
Grd	3298.0 ft	Tub Head	0.0 ft
KB-Grd	13.0 ft		
	Surface Casing		
item	Top Btm J	nts ID	Wt Grd Thd
(in)	(ftKB) (ftKB)		
11 3/4 in Surf.	0.0 563.0	11.084 4	2.00 H-40 STC
Csg	Imaa maa = =============================		
	Intermediate Ca		A44 C1 TI1
Item (in)	Top Btm J	nts iD \	Nt Grd Thd
8 5/8 in Inter.	0.0 3825.0	7,921 3	2.00 J-55 STC
Csg.	0.013623.0	1.921 3	2.00 3-55 510
Casing String	Production Cas	ina	
Item	Top Btm J		Nt Grd Thd
(in)	(ftKB) (ftKB)		;
5 1/2 in Prod.	0.0 1331.0	4.892 1	7.00 -95&P1 LTC
Csg.			
Casing Cement			
Casing String		mount	Comments
	(ftKB)	(sx)	
Surface Casing	. 0.0	310	
Intermediate Casin		1075	Tama Cunian
Production Casing	3125.0 Primary Tubing	1000 TOC by	remp Survey
tem	Top : Btm	Jnts ID	Wt Grd Thd
(in)	(ftKB) : (ftKB)		We Gld ind
2 7/8 in Tbg.			
	0.0: 7357.0	224: 2.441	6.50 N-80 8rd
	0.0 7357.0 7357.0 7360.0	224 2.441 2.875	6.50 N-80 8rd 0.00
5 1/2 in Baker TAC	7357.0 7360.0	2.875	0.00
5 1/2 in Baker TAC 2 7/8 in Tbg.	7357.0 7360.0 7360.0 11223.0	2.875 121 2.441	
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech.	7357.0 7360.0	2.875 121 2.441	0.00
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0	2.875 121 2.441 0.000	0.00 6.50 N-80 8rd
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ed	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plu	2.875 121 2.441 0.000	0.00 6.50 N-80 8rd 0.00
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0	2.875 121 2.441 0.000	0.00 6.50 N-80 8rd 0.00
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ed Date	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug Item	2.875 121 2.441 0.000	0.00 6.50 N-80 8rd 0.00 Int (ftKB)
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ed Date	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plu	2.875 121 2.441 0.000	0.00 6.50 N-80 8rd 0.00
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ed Date 7/16/96 Cel	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug Item	2.875 121 2.441 0.000 g Back	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ed Date	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug Item	2.875 121 2.441 0.000 g Back	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ed) Date 7/16/96 Cer Perforations Date	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug Item ment Plug	2.875 121 2.441 0.000 g Back Sho	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status t)
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ec Date 7/16/96 Cer Perforations Date 7/31/96	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug Item ment Plug	2.875 121 2.441 0.000 g Back Sho (/f	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status t) 4.0
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ec Date 7/16/96 Cer Perforations Date	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug Item ment Plug	2.875 121	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status t)
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ec Date 7/16/96 Cel Perforations Date 7/31/96 9/18/96	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug Item ment Plug Int 11166.0 - 111 11014.0 - 110	2.875 121 2.441 0.000 g Back Sho (/f	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status t) 4.0 4.0
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ec Date 7/16/96 Cer Perforations Date 7/31/96 9/18/96 11/22/96 12/7/96	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug Item ment Plug Int 11166.0 - 111 11014.0 - 110 10556.0 - 105 7530.0 - 759 Treatments	2.875 121	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status t) 4.0 4.0 2.0 1.0
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ed) T/16/96 Cer Perforations Date 7/31/96 9/18/96 11/22/96 12/7/96 Stimulations & Date Type	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug Item ment Plug Int 11166.0 - 111 11014.0 - 110 10556.0 - 105 7530.0 - 759 Treatments Interval	2.875 121 2.441 0.000 g Back Sho (/f	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status t) 4.0 4.0 2.0 1.0
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ed) T/16/96 Cer Perforations Date 7/31/96 9/18/96 11/22/96 12/7/96 Stimulations & Date Type	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug Item ment Plug Int 11166.0 - 111 11014.0 - 110 10556.0 - 105 7530.0 - 759 Treatments Interval 11166.0 -	2.875 121	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status t) 4.0 4.0 2.0 1.0
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ec Date 7/16/96 Cer Perforations Date 7/31/96 9/18/96 11/22/96 12/7/96 Stimulations & Date Type 3/1/96 Sand Frac	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug Item ment Plug Int 11166.0 - 111 11014.0 - 110 10556.0 - 105 7530.0 - 759 Treatments Interval 11166.0 - 11174.0	2.875 121	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status t) 4.0 4.0 2.0 1.0
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ec Date 7/16/96 Cer Perforations Date 7/31/96 9/18/96 11/22/96 12/7/96 Stimulations & Date Type 3/1/96 Sand Frac	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug Item ment Plug Int 11166.0 - 111 11014.0 - 110 105560.0 - 105 7530.0 - 759 Treatments Interval 11166.0 - 11174.0 11014.0 -	2.875 121	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status t) 4.0 4.0 2.0 1.0
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ec Date 7/16/96 Cer Perforations Date 7/31/96 9/18/96 11/22/96 12/7/96 Stimulations & Date Type 3/196 Sand Frac	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug term ment Plug Int 11166.0 - 111 11014.0 - 110 10556.0 - 759 Treatments Interval 11166.0 - 11174.0 11014.0 - 11022.0	2.875 121 2.441 0.000 g Back Sho (/fi 174.0 122.0 164.0 18.0 Fluid	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status t) 4.0 4.0 2.0 1.0
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ec Date 7/16/96 Cer Perforations Date 7/31/96 9/18/96 11/22/96 12/7/96 Stimulations & Date Type 3/1/96 Sand Frac 2/8/96 Sand Frac	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug Item ment Plug Int 11166.0 - 111 11014.0 - 110 105560.0 - 105 7530.0 - 759 Treatments Interval 11166.0 - 11174.0 11014.0 -	2.875 121 2.441 0.000 g Back Sho (/fi 174.0 122.0 164.0 18.0 Fluid	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status t) 4.0 4.0 2.0 1.0
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ed)	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug term ment Plug Int 11166.0 - 111 11014.0 - 110 10556.0 - 105 7530.0 - 759 Treatments Interval 11166.0 - 11174.0 11014.0 - 11022.0 7530.0 - 7598	2.875 121	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status t) 4.0 4.0 2.0 1.0 Sand Comment
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ec Date 7/16/96 Cer Perforations Date 7/31/96 9/18/96 11/22/96 12/7/96 Stimulations & Date Type 3/1/96 Sand Frac 2/8/96 Sand Frac	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 quip., etc.) - Plug Item ment Plug Int 11166.0 - 111 11014.0 - 110 10556.0 - 105 7530.0 - 759 Treatments Interval 11166.0 11174.0 11014.0 - 11022.0 7530.0 - 7598	2.875 121	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status t) 4.0 4.0 2.0 1.0
5 1/2 in Baker TAC 2 7/8 in Tbg. 2 7/8 in HF Mech. SN Other (plugs, ed)	7357.0 7360.0 7360.0 11223.0 11223.0 11224.0 11223.0 11224.0 11223.0 11224.0 11224.0 11224.0 11224.0 11166.0 - Plug Item ment Plug Int 11166.0 - 111 11014.0 - 170 11014.0 - 11022.0 7530.0 - 7598 m	2.875 121	0.00 6.50 N-80 8rd 0.00 Int (ftKB) 11248.0 - 11331.0 ots Status t) 4.0 4.0 2.0 1.0 Sand Comment

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 1/4", 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 1/2", 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. Sl. 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 + ₱5,000# 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 II ._ Arthsic, NM 88211-0719

DISTRICT III 1000 Rio Brozos Rd. * 3c. NM 87410

OIL CONSERVATION DIVISION

andergy, Sudannie, e.g. von de jagrunge Grandniegt

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

instructions on book Submit to the Appropriate District Office State Lease - 4 cooles Fac Lease - 3 cooles

TROSER GEGNERAL

. 7	JTRICT N P. O. Box 2 Santa Fe, N	2088	7-2088 w	EUI 100	: mTo>t	(377)	777				
_	API Number		П	2 Pool Cade	40295		REAGE D	EDICATION	- PLAT	% - ,	
٠.				40297 &	96336	Lo	Medanos;	Bone Sor	ing, Delawar	e, Wolfcam	Ç
	· Property Cod	de	's Property Y	404						· Yell Number	
· [_			<u> </u>		<i>ا</i> ل	AMES I	RANCH UN	IT		73	
	OCRID No.		* Operator N	eme						* Zievacion	
L	7377				ENRUN	4 DIL	& GAS CE	IMPANY		3313	· .
							LOCATION				
	IL or lot ma. C.	6 Section	Township 23 SOUTH	31 EAST.	-		. 330.	NORTH	ine Feet from the	HEST	EDDY
			"BOTTO	OM HOLE	LOCATI	ION IF	DIFFERE	NT FROM	SURFACE		-
	L or lot zo.	Section	Township	Rene	ţe.	Lat Ida	feet from the	North/South	line Feet from the	Zast/West Une	County
	Dedicated Ad	res 13 Jo	int or Infill	14 Consolidati	on Code	13 Order :	ío.	 		· ·	
-	 								INTERESTS HA		
		1980		330					I hereby certicontained here to the best of Signature Printed Name Betty Gill Title Regulator 2/20/24 SURVEYOF I hereby collocation shoo plotted from surveys may supervis same is true best of my Date of Survey FEBRU Signature Professional Survey A Collocation of the survey	Analyse CERTIFICA ertify that the war on this parties and the artist of the artist o	ATION The well under of the total t

Fere 31534 (July 1997)		,	1511		, -		וב או דואני			
	752			ED STA		D NTERIO		1 5	بخا المارا	HSETIATOR'S COPY
	Sera			i i do Kr cha.		-) 	of Pape over	mini in labor 3	CARLEMATING AND ACADED 42.
						· · · · · · · · · · · · · · · · · · ·	==			M G2SS7-D
<u>। 113% । । । । । । । । । । । । । । । । । । ।</u>	COMPLETIC			OMPLE 			(6:49 MD)	<u> </u>	=. (F :391A)	7. ACCUSTURE DA TREAD NAME:
Y TYPE OF	COMPLETION:	18 E.L. 4	1¥ 151.	· • • • • • • • • • • • • • • • • • • •	747	foliare -	7	1 1/2 X	- 1. CHT 121	TEREST STATE
Same C	J wax 🗆	an (1 350	t 🖭 🛭	ree.	01300 <u>O</u> c	1. 1.	次、到	1. FARE 2	R LEASE NAME, VELL NO.
2. ALME OF ST						() A	000	- 3	 -:	inch Unit #73
Enron Oil	४ Gas Comp अञ्चटहरूमवरा					# Y/A	<u> </u>	<u>. &</u>	3 3. AT WELL	.50.
P. O. Box			Texas	79702	ζą	10. 155 686-	1. 1786	و کر	30 GL	5 28979
A. IDCATION OF	while (Acport los						********		Los Med	anos Bone Soring
ತು ಉಪನವ	330' FM	I	980' F	WT.			مورد در استون مورد	La Carre	11. 41.7 T QA 444.	A., M., 98 SLOCK LAT AUSTET
At tag prod.	330' Fine	سەنجە:		_		_				
āt total dept	7 2 2 1 1 1 1	- 4 1	200 3						Sec 6, I	23S, R31E
,	330' FNL &	1980	FWL	11. 5	******	·a.	DATE LASE		LOU COUNTY OF	32 37471
2. oats spepers	13. 3472 7.3	. 444CH	es 17. A	ATR CONFL.	(Ressy	is prod.; 1	3. 46274T10:		3 AT. 62, ETT.) ·	13. ELTY. CAMPAGEAG
9-16-96	9-16-	, , , , , , , , , , , , , , , , , , , 		0-23-9			3313	' GR		3313'
in and	a . == :i. :		x 7.3., ×9	ت ا دست ۹		HTML: CORLE	22.	PRILLED S		.3 CARLE TOOLS
11331) 	1066) 28. 10 7.2 4.	7444	(ביה במו כאן	- 1 -	 -	<u> </u>	
11014-1	1022 (3on	e Spr	·*==)						-	343711 H731
	. بعد ۱۳۵ مرد								i	27. 719 7511 02143
None							*			
1. 5. 5125/GAAU	¿ : MRIGAT, LA			SING RECO		ort all string		<u> </u>		
11-3/4 H-40		40.6		563	i	-1/2	1		CS4ENTING 222020	
3-5/8 J-55		32		325	!	-1/2 -1/4	i	77 27 27 25	<u>م</u>	-
-1/2 CE-9		7	11	331		7/2	1		= 50/50 Pos	— 309 3:25
<u> </u>	78 C	LINER	RECORD	<u> </u>					TUBING RECOR	<u> </u>
4122	ाकर (Ha)	٠,	H (H2)	-	W \$37°	SCREEN (M:	2) 21	==	PEFTS +FT (NS)	
							2-7	73"	10914'	
1 75570447:05 15	: 2343 ((-):7744, 4			<u>ha 0330</u>		<u> </u>	AGD, 5H	07 5340	TURE, CEMENT S	
•				0			28710 (M3)			OF WATERIAL CARD
		,	JAH U	8 1937		11014-	11022	<u>45</u>	000 gais 50	necra Frac G-3500
1014-11022	(-36" 33)			nc	<i>U</i>			ł	-	254 000# 0=-4wa
	<u>i</u> _		13:2.1	.1					<u>na and au.C</u> sma	<u>100# 1cma 20-45</u> SE
 						ויכדומא ביירים א				
0-24-96			ag (2-	1/2" x	1-1/	4" + 301	<u>** 321 5</u>	<u> </u>	14=1-n	oducing
10-26-96	HOURS TESTES	EHS	16-2 4121	TEST PE		011-11			WATER—ASS.	2142
90	24 714176 7124401 50		- 5754713 1881 1471	211.—44		47		.01 	1 52	1 2149
PIERRETTER OF 4.		 	:43, 412.]			i		!	TEST - TESES	39.0
Sold				11						
None	()				LL	EG.	IDL	.C		
च् <u>र</u> चल्या :	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	154 11	9 25 25 101	97#43 92 II	त्त्र स्ट्रीतः ।	100 mm	4. 2::::=:	272 (732	all avellable recor	= .
10.720	عضلنعر	3=10	y Gila	en titl	Reg	ulatoty ,	Analysi		3475 _	12/3/96

^{*(}See Instructions and Spaces for Additional Data on Revense Side)

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

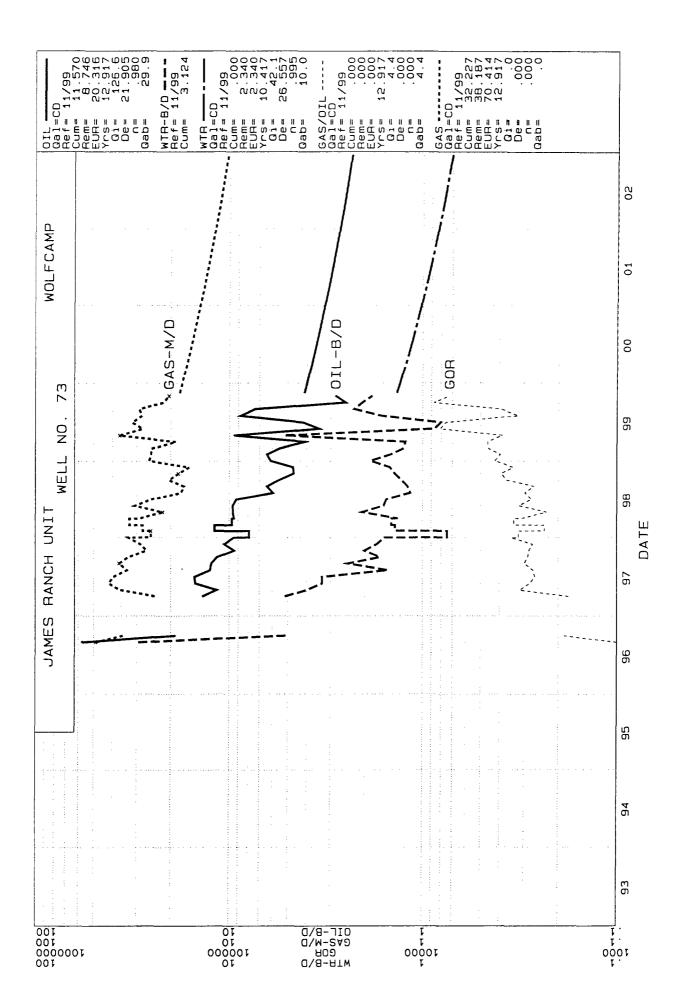
WELL DATA

WELL		JAME	S RANCH UNIT N	0. 73		FORMATION _		WOLFC	AMP
OCATION	<u> </u>	UNI	т,330	FEET FROM	N	LINE &	1980	FEET FROM	W_LIN
ECTION	6TOWNSH	IP	23S , RANGE	31E	, COUNTY		EDDY		, NEW MEXICO
SPUD DATE	6/29/96	con	MPLETION DATE	7/3	30/96	INITIAL PRODU	CTION		7/31/96
PERFORATIONS	11,166-1	1,174'				and the second s	 	-1/	
TIMULATION:									
AC	210 GAL	S SPOT A	CID	<u> </u>			,,		
FR	ACTURE	56,0	00 GALS SPECTRA	FRAC G-3000	D & G-3500, 2∙	12,000# 20/40 O	TTAWA SA	ND, & 48,000#	20/40 SB
		ULTI	RA RC SAND.		<u></u>				
				, .		***************************************			
POTENTIAL		8/10	0/96 92 BOPD, 50	BWPD, 73 MCF	PD.			·	
			0/96 92 BOPD, 50		FPD.				
			re Sketch of Comple	eted Well.)		TION			
			re Sketch of Comple			TION			
			re Sketch of Comple	eted Well.)	C CALCULA	S		PERFORATED E	
	-105. Attach Copy		re Sketch of Comple	eted Well.) /OLUMETRI	C CALCULA	S			
Attach Copy of C	-105. Attach Copy		re Sketch of Comple	OLUMETRI SANDS PERFO	C CALCULA	S			
(Attach Copy of C	n unit size, acres		re Sketch of Comple	OLUMETRI SANDS PERFO	C CALCULA	S			
Attach Copy of Control Area (A) proration Porosity (por), %	n unit size, acres		40	OLUMETRI SANDS PERFO	C CALCULA	S			
Area (A) proration Porosity (por), % Water saturation (S	n unit size, acres		40 12.1%	OLUMETRI SANDS PERFO	C CALCULA	S			
Area (A) proration Porosity (por), % Water saturation (S) Net Thickness (h), Femperature (T), F	n unit size, acres		40 12.1% 38%	OLUMETRI SANDS PERFO	C CALCULA	S			
Area (A) proration Porosity (por), % Water saturation (S) Net Thickness (h),	n unit size, acres sw), % ft. Fahrenheit ure (P), psia		40 12.1% 38% 37.5	OLUMETRI SANDS PERFO	C CALCULA	S			

PERFORMANCE DATA

(If sufficient history exists,	, attach plot of oil production rat	e v time.)		
CUMULATIVE PRODUC	TION TO _	11/1/99	;11,570	BBLS
INITIAL RATE (qi)	_	1	27	
ECONOMIC LIMIT (41)	-		30	
DECLINE RATE, dy	_	Hyperbolic d =	21.90% n = .98	
REMAINING OIL (Q) =	<u></u>	4,	930	
ULTIMATE RECOVERA	BLE OIL	16	,500	
(Attach plat showing pror	ation unit and participating area.)		
		ECO	NOMIC	
WELL COST \$	825,000 (to the depth of	of formation completed)		
RECOMPLETION COST	\$0			
TOTAL COST \$	825,000			
YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW
ZERO	0	o	O	-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
			15,600	700
9	700	17,100		
10	300	6,600	6,500	100
REMAINDER				

WELL IS NOT COMMERCIAL



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

CULATED DATA

701 OWN/WI 100.0000	IM/NMO		700 LSE/WI 100.0000	564 PRI/OIL9100 569 PRI/GAS1300	559 ATX .	549 STX/OIL 7. 554 STX/GAS 7.	544 OPC/T 1190.00	539 * 2.	= :	: :		z	2	531 PRI/GAS 1.8900		=	524 " L9.20		•	2	3	519 * 20.74	• •	PRI/OIL 16	425 START 08/96	420 WTR 42.05	415 GAS/OIL 4.	410 OIL 126.57	405 START 11/99	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ITEM SCHEDU	
.0000 D *		000 D 🛊	000 D *	1009100 \$/B 3001300 \$/M	.17 X %	7.08 X & 7.93 X &	.00 x \$/м	2.57 X \$/N	< ×	: ×	×	×		M/\$ X \$/M	Þ	< >	< ×	×	×	×	×	× >	< ×		J.	.05 х в/м	4.37 4.37 M/B	.57 х в/м	-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SCHEDULING RATES	
TO LIFE		TO LIFE	TO LIFE	B TO LIFE	TO LIFE	TO LIFE	M TO LIFE	TO	1/2001 AD	1/2000	1/99	1/98		1/95		#/ KOO#	1/2003	1/2002	1/2001	1/2000	1/99	B 1/98 AD	1/96	1/95		ч 2.34 IMU	B 01/2097 AD	W 8.75 IMU		1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SCHEDULE UNTIL	INPUT DATA
FLAT .00		FLAT .00	FLAT .00	PC .00	PC .00	PC .00	SCH OPC	PC .00	.00				PC .00	.00			.00					. 00 . 00 . 00		PC .		н/0.995 26.56	LIN TIME	н/0.980 21.91		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PROCEDURE	
			ι α	v v	vo	vo vo	vo	vo t	13	12	12	12	12	J VS	v		, L	12	12	12	12	1 1		, va		2.340 3	12	20.316 9		1 1 1	ULTIMATE LA	ი
9/12	9/12	9/12	9/12	9/12 9/12	9/12	9/12 9/12	9/12	9/12	12/00	12/99	12/98	12/97	12/96	9/12	21.16	9/13	12/02	12/01	12/00	12/99	12/98	12/97	/12	9/12		3/10 26.56	12/96	9/12 21.91			LAST EFF. DECL	ALC
	. 125	1.000	1.000	910 130	.002	.071	1190.000	2.570	2.600	2.270	2.110	2.590	1.940 2.610	1.890	+0. H30	18.180	19.200	20.670	24.940	19.250	14.430	20.260	18.390	16.880		42.		127.		1	INIT. RATE	ED DAT
	.125	1.000	1.000	18.130 2.570	.002	.071 .079	1190.000	2.570	2,600	2.270	2.110	2.590	2.610		+a. +a0	18.180	19.200	20.670	24.940	19.250	14.430	22.260				10.		30.		1 1 1 1	FINAL RATE	A

761 OWN/ORR

.0000

U

TO

LIFE

FLAT

. 00

9/12

BASE DATE P.W. DATE REPORT DATE	201 LOSS NO 205 CUMO, MB 11	RESERVE PARAMETERS	800 DRILL 801 SALVAGE	INVESTMENT	905 LOAD 910 LOAD 915 LOAD	OVERLAYS
8/96 : 8/96 : 8/96	NO 11.57	AMETERS	330.00	TANGIBLES	P.OIL OIL # P.GAS GAS # P.WATER WTR	SCHEDULING RATES
TIME FRAMES : PW %-AGE : PROD QUAL :	CUMG, MMF	ITEM	495.00 M\$G .00 M\$G	TANGIBLES & INTANGIBLES	#	IG RATES
1*5 38*12 1*600 10.0 DIS	32.23		08/96 TO	TIME		SCHEDULE UNTIL
1*600 DISC			AD LIFE			UNTIL
600 DISC. FREQUENCY: 365. OWNER QUAL: CD	CUML, MB	ITEM		PROCEDURE		PROCEDURE
			825.000 -33.000	TOTAL T&I	11.655 32.842 3.124	
OTHER QUAL :		•	8/96 9/12	MONTH	2/00 2/00 2/00	LAST
. : CD				RISK INV.		EFF. DECL
	1		825.0 -33.0	TO		
	1		825.0 -33.0	ESC. T&I&R		FINAL RATE

.

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

RESERVES AND ECONOMICS 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, % 1 2) REVENUE INTEREST, %	100.000	100.000	100.000	100.000 87.500	100.000 87.500	100.000 87.500	100.000 87.500	100.000	100.000	100.000	100.000
INVESTMENTS, M\$.0 825.0 .0 825.0									-33.0 -33.0	792.0 792.0
OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	2.4 2.1 44.0 21.35	3.7 3.2 64.3 19.83	3.3 2.9 38.9 13.52	2.1 1.9 34.4 18.34	1.2 1.1 25.9 24.03	1.1 .9 18.6 19.76	.9 .8 14.6 18.29	.8 .7 12.0 17.27	.7 .6 10.6 17.22	.3 .2 4.1 17.22	16.5 14.4 267.5 18.54
GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	2.6 2.3 5.6	10.2 9.0 22.0 2.460	9.5 8.3 16.4 1.980	9.2 8.1 17.3 2.140	6.0 5.2 12.9 2.470	4.7 4.1 10.1 2.450	4.0 3.5 8.5 2.440	3.5 3.0 7.4 2.440	3.1 2.7 6.6 2.440	1.2 1.0 2.5 2.440	53.9 47.2 109.4 2.318
WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	1.1 1.1 .000	. 8	. 5	. 6000	.1	.000	. 000	. 000	. 000	.000	3.1 3.1
ECONOMICS, M\$ 19) GROSS REV. TO INTR. 20) - SEV. TAX 22) - AD VALOREM TAX	49.6 3.6	86.3 6.3	55.3 4.1	51.7 3.8	38. 2.9	28.7 2.1	23.2 1.7	19.4 1.4	17.1 1.3	 o	376.8 27.6
111+111	6.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	14.3 .0 .0 .0 .0 .0 .0 .0	14. 33.00 33.00	14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	14.3 .0 .0 .0 .0 .0 3.7	14.3 .0 .0 .0 .0 .0 1.6	6.0 .0 .0 .0 .0 .0	126.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
PRESENT WORTH @ 10.00 % 31) NET INCOME 32) INVESTMENTS & RISK 33) BFIT NET 34) CUM BFIT NET	39.2 825.0 -785.8	59.9 .0 59.9	30.5 .0 30.5	25.1 .0 .25.1 -670.4	14.6 .0 14.6	7.5 .0 7.5	4.0 .0 4.0 4.0	1.8 .0 1.8	.7 .0 .7 -641.7	.1 -13.8 13.8 -627.9	183.3 811.2 -627.9

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

AFTER TAX ECONOMICS

PRESENT WORTH @ 10.00 %	20) REVENUE-SEV-WPT 21) - OPR. COSTS & ATX 22) + NPI OWNED - PAID 23) - F.I.T. 24) = A.F.I.T. 25) - LOAN REPAYMENT 26) - INTEREST PAID 27) = NET INCOME 28) - INVESTMENTS & RSK 29) = A.F.I.T. NET	TAX CALCULATIONS, M\$	TAX TREATMENT OF INVESTMENTS, MS 1) EXP, RISK & CAP INT 495.0 2) DEPLETABLE .0 3) DEPRECIABLE .330.0
201.9 825.0 -623.1 -623.1	46.1 6.0 .0 -166.1 206.1 .0 .0 206.1 825.0	49.6 3.6 0.0 6.0 19.0 19.6 19.6 19.6 19.6 19.6 19.6	12/96 ENTS, M\$ 495.0
58.5 58.5 58.5	80. 14.4 1.6 64.0 64.0 64.0	11 66	12/97
40.4 .0 40.4 -524.2	51.3 14.4 48.9 48.9 48.9 48.9	55.3 4.1 14.4 .0 14.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/98
29.6 .0 29.6 -494.6	147. 14.4. 39.6.1 39.6.0	51.7 3.8 3.8 14.4 1.0 1.0 0 50.8 -17.3 35.0	12/99
18.1 .0 18.1 -476.5	36.0 14.3 -5.1 26.8 .0 26.8 26.8	38.8 2.9 2.9 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2/99 12/00 12/00 0 0 0 0
11.2 .0 11.2	26.6 14.3 -6.0 18.3 .0 18.3 18.3	28.7 2.1 2.1 14.3 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/01 .0 .0
8.3 .0 8.3 -457.1	21.5 14.3 14.3 -7.8 15.0 .0 .0 .0 .0 .0	23.2 1.7 1.4.3 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/02
6.4 .0 6.4 -450.7	18.0 14.3 .0 -9.0 12.7 .0 .0 .12.7 .0	19.4 1.4.0 1.4.0 1.4.0 1.3.0 1.2.0 1.2.0 1.3.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	12/03
. 8 8	15.9 14.3 1.0 3 1.9 1.9 1.9	17.1 1.3 1.4.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/04
.0 -13.8 13.8 -436.1	6.1 6.0 .0 .1 .1 .0 .0 .0		12/05 .0 .0 -33.0
375.2 811.2 -436.1	349.2 126.7 -210.9 -433.4 .0 .0 .0 433.4 792.0 -358.6	376.8 27.6 27.6 126.7 .0 495.0 330.0 -602.5 .0 -602.5	8.8 YR TOTAL 495.0 .0 297.0

JAMES RANCH UNIT #73 WOLFCAMP

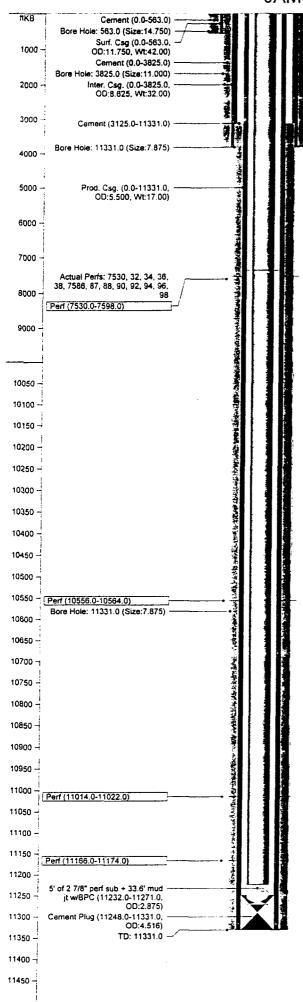
1

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

ECONOMIC INDICATORS

AS OF DATE: 8/96

	.46	. 23	DISCOUNTED NET/INVEST.
	. 55	. 28	UNDISCOUNTED NET/INVEST.
	8.83	8.83	DISCOUNTED PAYOUT, YRS.
	8.83	8.83	UNDISCOUNTED PAYOUT, YRS
	. 0	. 0	RATE OF RETURN, PCT.
		-756.731	100.
-674.926			90.
-670 761	-601.446	-745 693	80.
	-577.929		60.
	-562.631	-719.634	50.
-647,429	-543.606	-706.302	40.
-637.627	-518.947	-688.701	30.
-623.343	-485.244	-664.239	20.
	-436.062	-627.911	10.
-592.569	-423.418	-618.468	æ.
-584.637	-409.537	-608,057	6.
-580.201	-402.080	-602.446	ن.
-564.576	-377.357	-583.754	2.
-551.742	-358.633	-569.512	0.
A.F.I.T. BONUS M\$	A.F.I.T. WORTH MS	B.F.I.T. WORTH M\$ LE AND BONUS TABLE	B W M M PRESENT WORTH PROFILE AND RATE-OF-RETURN VS. BONUS



Author Date Updated	300152 11331.0 11248.0 BEPC 73 LOS MED RAS 7/23/2 Drilled by	O ffKB O ffKB OO DANOS S 98	Perr Spu RR Con	ineer mit		6/29/9 7/16/9	96
PBTD Operator Well No. ID Code Field Author Date Updated Comments Location Township Range Section	11248.0 BEPC 73 LOS MED RAS 7/23/: Drilled by	MANOS S	Perr Spu RR Con	mit d		6/29/9 7/16/9	96
Operator Well No. ID Code Field Author Date Updated Comments Location Township Range Section	BEPC 73 LOS MED RAS 7/23/9 Drilled by	OANOS S 98	Spu RR Con	d ·		7/16/9	
Well No. ID Code Field Author Date Updated Comments Location Township Range Section	73 LOS MED RAS 7/23/ Drilled by	ANOS S 98	Spu RR Con	d ·		7/16/9	
ID Code Field Author Date Updated Comments Location Township Range Section	LOS MED RAS 7/23/ Drilled by	ANOS S 98	RR Con			7/16/9	
Field Author Date Updated Comments Location Township Range Section	RAS 7/23/ Drilled by	S 98	·Con	npletion			
Author Date Updated Comments Location Township Range Section	RAS 7/23/ Drilled by	S 98				8/2/9	
Comments Location Township Range Section	Drilled by			Act.			<u> </u>
Location Township Range Section		Ener-	Aba	ndoned	1		
Township Range Section	90	⊏HION_					
Range Section	S.L						
Section		23		Latitude	· · · · · · · · · · · · · · · · · · ·		
Section				Longitud			
)31	Top	NS Dista EW Dista	ince	330.0 1980.0) π N
		6	Rott	om Latitu	de :	1900.0	
		<u> </u>		om Longi		-	
State	NEW N	IEXICO		NS Dista		0.0	ft
County	ED	DY	Btm	EW Dista	ance	0.0	ft
Elevations							
KB		1.0 ft	Cas	Fing		0.0	ft
Grd		3.0 ft	Tub	Head		0.0	ft
KB-Grd		0 ft	,	 			
Casing String -							
Item			nts	ID	Wt	Grd	Thd
(in)	(ftKB) (11.084	42.00	<u> </u>	CTO
11 3/4 in Surf. Csg	0.0	563.0	i	11.084	42.00	m-40	STC
Casing String -	Intermo	diate Ca	sing				
Item		Btm Jr	nts i	ID	Wt	Grd	Thd
(in)	(ftKB) (113	.0	***	U.U	IIIu
8 5/8 in Inter.	0.0 3	825.0		7.921	32.00	J-55	STC
Csg.			i				
Casing String -	Product	ion Cas	ing				
Item			nts	ID ;	Wt	Grd	Thd
(in)	(ftKB) (1	ftKB)	i	:		1	
5 1/2 in Prod.	0.0 13	331.0		4.892	17.00	95&P1	LTC
Csg.		<u> </u>			<u> </u>		
Casing Cement							
Casing String	To		moun	t i	Com	nments	
0 6 0 1	(ftK		(sx)				
Surface Casing Intermediate Casing		0.0	31 107				
Production Casing		25.0		O TOC E	v Temr	Survey	
Tubing String - I				0,1001	<i>y</i> 10111	, 00, 10,	
Item	Тор	Btm	Jnts	ID	Wt	Grd	Thd
(in)	(ftKB)	(ftKB)	•	(in)	;	1	
2 7/8 in Tbg.	0.0	7357.0	224		6.50	N-80	8rd
5 1/2 in Baker	7357.0	7360.0		2.875	0.00)	1
TAC				<u>:</u>	:		<u> </u>
2 7/8 in Tbg.	7360.0		121	2.441			8rd
	11223.0	11224.0		0.000	0.00) (1
SN Other (plugs, eq	uin ato) - Dina	Rac	k			
Date	שוף., פנט	ltem	Jac	<u> </u>		Int	
Date		160111				(ftKB)	
7/16/96 Cen	nent Plug				1124	48.0 - 11	
Perforations							
Date		Int			hots	Statu	
					(/ft)		-
7/31/96	1116	6.0 - 111	74.0		4.	0	
9/18/96		4.0 - 1102				0	
11/22/96	1055	6.0 - 1056	64.0		2.		
12/7/96		0.0 - 7598	3.0		1.	0	
Stimulations & T						- -	
Date Type		nterval		Fluid	San	d Co	mments
8/1/96 Sand Frac		1166.0 -					
9/24/96 Sand Frac		<u> 1174.0</u> 1014.0 -					
9/24/90 Sand Frac		1022.0	- 1				
		.0 - 7598.	.0				
12/8/96 Sand Frac							
Fish - FISH	n	In	t	. OD		Comme	nt
12/8/96 Sand Frac Fish - FISH Date Iten	n	In (ftK		OD (in)	(Comme	nt
Fish - FISH		In (ftK 11232	(B)			Comme	nt

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. Sl. 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 + \$5,000# 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.

P C. HAX 1980 Hayos, NM 88241-1980

Suche G. New Madello Energy, Minerals, and Natural Resources Department

3=vise= 32-10-94

instructions on bock

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

DISTRICT II Artisic, NM 88211-0719

DISTRICT III 1000 Rio Brozos Rd. Aztac, NM 87410

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

AMENDED REPORT

DISTRICT IV
P. C. Sox 2088
Sonte Fe, NM 87507-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT

AP! Number			2 Pool Cade			Name					
			40297 &		Lo	s Medanos;	Bone Sp	ring	g, Delawar	e, Wolfcam	p.
· Property Cod	ie	's Property N	4De		AUEC 1	RANCH UN		-		1 Yell Number	
OGRID No.		* Operator N		ال 	AMES I	KANCH UN.	<u> </u>		··········	73	
7377		operado .		ENRON	4 DIL	& GAS CD	MPANY			3313	3•
		<u>.!</u>				LOCATION					
UL or lot ma.	Section	Township	Ren					line	Feet from the	Zast/West line	i County
C	6	1	31 EAST,	_	1	330.	NORTH		1880.	HEST	EDDY
		"BOTT	M HOLE	LOCAT	ION IF	DIFFERE	NT FROM	Sĭ	JRFACE		-
UL or lot 20.	Section	Township	Rang	(e	Lot Ida	Feet from the	North/South	liae	Feet from the	East/Yest line	County
Pedicated As 40	7es 13 ja	int or Infill	14 Consolidati	on Code	13 Order	No.	I			!	!
						COMPLETION T HAS BEEN					
•				<u> </u>		1		7		R CERTIFIC	ATION
	1980	. <u>i</u>	>330·	i		i				tily that the inf	
	1300	1		1 1) ! !				rein is true and i my kn p√ ledge a	
		1				; !			Signature	- 10	
	٠	i -	*	i		i		1	Printed Name	- AIX	<u>wor</u>
		 		! !		!		_	Betty Gi	ldon	
		!		i .		i		7	TiU≥ Regulato	ry Analyst	
		İ		1		i I			Date		
		i i		1		1			2/20/9	<u>6</u>	
·		; ; !		i !		! !			SURVEYO:	R CERTIFICA	ATION
,	: · ·			! !		!				ertify that the	
				: : +				_	location she	own on this p	icl wes
		1		1					surveys mo	de by me or	uncer
		!		I I		!			my superv	ision, and the e and correct	to the
		!		1 1 1		1		1	best of my		
				1		!		1	Date of Surve	7	
	•	1		i i i					FEBR	UARY 6, 1996	<u> </u>
ļ		!		! 		!			Professional S	THE PARTY	
		1		: ! !		! !					Α
1		į		1		-			# × ! Y.	LYNN : +	G H
i] [l 1 1		!				EZNER 💹	Ä
	*	1 1 1		}					18 ans	7920	<u>نرچ مسیم اخ</u>
		1		 		1			Certification No.		/ #7920
<u> </u>		:		<u> </u>		<u></u>			108 ಕ್ರಿಸ್ಟ್ 80r	/ عَصْدُونَ الْمُعَالِينَ الْمُعَالِقِينَ الْمُعَلِّقِينَ الْمُعَلِّقِينَ الْمُعَلِّقِينَ الْمُعَلِّقِينَ الْمُعَلِّقِينَ الْمُعَلِّقِينَ الْمُعَلِّقِينَ الْمُعَلِّقِينَ الْمُعَلِّقِينَ الْمُعَلِّقِينَ الْمُعَلِّقِينَ الْمُعَلِّقِينَ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعِلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعِلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعِلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعِلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعِلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعِلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعِلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعَلِّقِينِ الْمُعِلِّي الْمُعِلِّي الْمُعِلِّي الْمُعِلِّي الْمُعِلِّي الْمُعِينِي الْمُعِلِّي الْمُعِلِّي الْمُعِلِّي الْمُعِلِّي الْمُعِلِّي الْمُعِلِّي الْمُعِلِّي الْمُعِلِّي الْمُعِلِّي الْمُعِلِّي الْمُعِلِي الْمُعِلِي الْمُعِلِي الْمُعِلِّي الْمُعِلِي الْمُعِلِي الْمُعِلِي الْمُعِلِي الْمُعِلِّي الْمُعِلِي الْمُعِلِي الْمُعِلْمِينِي الْمُعِلِّي الْمُعِلِّي الْمُعِلِي الْمُ	v.∺.∃.

		JA TA	STATES	OPE	RATORIS	200	EHO	M A??ROVED NO. 1944-1137 Francis III, 1943
			:	NTERIOF	****	المراجع المراجع		CHATTON AND ACADE FO
		Fe Gen Fe	HANAGE!	ENT REC	EVED		NM 0288	
WELL CO	DMPLETION C	R RECO	MPLETION	REPORT /	AND LC	G.	i. ir ismias,	AUGUSTES DE TACES AL-
12 7975 OF #3	wall.	<u> </u>	J ,,, []	भेडिंग 🚉	3- 1	700	I, MAIT ADEE	MINT FAMI
7 777 C 27 C 27 C 27 C 27 C 27 C 27 C 2	APLETION:		PIFF.	01:4		• # ½ \$	3. FAREOR	LEASE NAME, FELL N
2. HAND OF GREE	1701	·		ANURGE	· · · · · · · · · · · · · · · · · · ·	7.57		nch Unit #73
Enron	Oil & Gas Com	many				ļ	7. A: 97: NO	
••	TELEPHONE NO.							15 28979
P. O.	Box 2267, Mid	land, Te	xas 79702	(915)	686-371	4		mot of vittors
At 107/4er	•	è	secordance with	iny Siere Predict				nos Wolfcamp
	0' FNL & 1980	' FWL					04 14E1	## 00 122CX 189 134 1
	0' FNL & 1980	1 FWI.						
At total descr	·	- 112]	_Sec 6,-7	7235. R31E
. 33	0' FNL & 1980	FWL	14. PERMIT M	o. a	475 (84)(25		12. COUNTY OF	13. 57471
					4-23-98		Eddy	NM
6-29-96	7-14 C6	.		13.	3313' G			9. 1117. CASIFORIAS
5-27-75 20. 10741 2073. 20	7-14-96	æ :.₃. ×₃ .		LTIPLE COMPL.	1 23. 177	EAFALL	BOTANT TOOLS	CAPLE TOOLS
11331	11	248	HOW	#187°	341		Y	1
24. PRODUCING ISTS	1726(1). OF THIS COS	PLETION—TO/.	, s0170 H. Jane	MD T48 248).		· ·		25. 743 01220770774
11166-	ll174 (Wolfe:	emp)						No
	7): 104 1500 cm						21	. און אוני משם
GR-HRI-	-DFL, GR-DSN-S				 	·		
CANNO NIZZ/GRADI	PEICHT, LA./FT.	CAST:	NG RECORD IRE	por: sil strings s		W747 C747	TIPE 212023	בבבעת האספאר
3/4 H-40 ST&C	_! <u></u>	56		17-1/2				Circulated
5/8 J-55 ST&C		382			310 sv.			- Circulated
/2 CF-95 &	17	1133			innn ev	2-0- 5	1/50 222	TOC 3125
P-110 LT&C								
23.		R RECORD			30.		BING RECORD	
	TO7 (KD) 107	(CH) HC	TICKS CIMITTS	SCREEN (MO)	2 7/			PACKER SPT (HD)
						<u></u> }	11102	-
31. 784504A710# 1451	LO (Interval, eur and	(=====================================		1 22.	ACD. SHOT.	ಸಾಸಿದಾರಾ	E. CEXENT 50	NUEEEE ETC
11166 11177	((011 00)			מצדדש והדדג	175 (ND)	4405	ים כהוצ כהג דה	* ************************************
11166-11174	(.40" 33)			11166-11	174	3639	gals line	a- gal, 1008
,				ļ				.556 gals SEC
								G 3500 741 75
<u></u>	· · · · · · · · · · · · · · · · · · ·		FROI	טייבי:טא			Uttawa A	<u>48_000#_26/4</u> 0
בים דובבי הפסטינים		•	oroing, ger lift, pr		1770 0/ 74-			rus (Productor or
7-31-96		wing					P~0	ducing
1	24	28/64	7200'7, 701 7227 722100	07	73		50	793
8/10/96			P(f,		פן. פעדיי	R RECO	OFT :	39.8
	1-00					1 77	## 41778###	1:
80	[804, wed for feet, 9	**************************************		: 1				
80.	(Bold, wed for feet, 9	काख, संदर्भ			AUG 25	<u>1006</u>		
80 34. DISPOSITION OF 422 Sold 12. List or attacent	(Bold, wed for feet, 9	€164, 635.)			AUG 25	1000	, :	
80 Sold Logs	(8012, wed for fuel, #		::::::::::::::::::::::::::::::::::::::		anna de	1006 J. hy	Crailable record	
80 Sold	771 .	Attache info	on Re	}	(::::=:=:	1. h	·	8/1 <u>6/96</u>

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

Fitte 15 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 fatse, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

THUE VERT, DEPTH TOF GEOLOGIC MARICERS MEAS, DEPTH 3915 7748 111100 Bone Spring Delaware Wolfcamp HAME 3 31. SWMALIY OF POROUS ZORES: (Show all important canes of potosity and contents thereof; cored intervols; and all recoveries; tests, backading depth intervols testa, cushion used, time tool open, flowing and shall-in pressures, and recoveries): DESCRIPTION, CONTENTS, ETC. Limestone, Shale, Sand Lime, Snhydrite Anhydrite, Salt Lime, Shale Lime, Shale Sand, Lime Shale Shale Sand HOLLOH 3485 3954 5488 6725 7682 9104 9734 11110 11331 d O.L. 3485 3954 5488 6725 9734⁻ 111110 7682 9104 FUHMATION Rone Spring elsiware & in I figamp Plymnre

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL JA	AMES RANCH UNIT # 76	FORMATIC	DELAWARE
OCATION E	UNIT, 1900 FEET FROM NOR	TH LINE & 360	FEET FROM <u>WEST</u> LINE
SECTION 6 TOWNSHIP	235 , RANGE 31E , COU	NTYEDI	NEW MEXICO
SPUD DATE9/29/96	COMPLETION DATE 12/4/96	INITIAL PRODUCTIO	N 2/22/97
PERFORATIONS <u>7492, 94, 96</u>	5, 98, 7500, 44, 46, 48, 50, 52, 54' & 765	4, 56, 58, 59, 60	
TIMULATION:			· · · · · · · · · · · · · · · · · · ·
ACID 1500 GALS 1	15% HCL + 30 BS\		
FRACTURE	33,000 GALS SPECTRA FRAC G-3000 +	77, 000# 16/30 BRADY SA	AND
	+ 18,000# 16/30 SUPER LC RCS.		
		CULATION	
	Wellbore Sketch of Completed Well.)	SANDS N	OT PERFORATED BUT ALLY PRODUCTIVE
Attach Copy of C-105. Attach Copy of V	Wellbore Sketch of Completed Well.) VOLUMETRIC CALC	SANDS N	
Attach Copy of C-105. Attach Copy of V	Wellbore Sketch of Completed Well.) VOLUMETRIC CALC SANDS PERFORAT	SANDS N FED POTENTI	ALLY PRODUCTIVE
Attach Copy of C-105. Attach Copy of V Area (A) proration unit size, acres Porosity (por), %	Wellbore Sketch of Completed Well.) VOLUMETRIC CALC SANDS PERFORAT	SANDS N FED POTENTI. 40	ALLY PRODUCTIVE
Attach Copy of C-105. Attach Copy of V Area (A) proration unit size, acres Porosity (por), % Vater saturation (Sw), %	VOLUMETRIC CALC SANDS PERFORAT 40 12.0%	SANDS N FED POTENTI. 40 15.09	ALLY PRODUCTIVE
Attach Copy of C-105. Attach Copy of V Area (A) proration unit size, acres Prorosity (por), % Vater saturation (Sw), % Net Thickness (h), ft.	VOLUMETRIC CALC SANDS PERFORAT 40 12.0% 60%	SANDS N POTENTI 40 15.09 63%	ALLY PRODUCTIVE
Attach Copy of C-105. Attach Copy of V Area (A) proration unit size, acres Porosity (por), % Vater saturation (Sw), % Net Thickness (h), ft. Temperature (T), Fahrenheit	VOLUMETRIC CALC SANDS PERFORAT 40 12.0% 60% 50	SANDS N POTENTI 40 15.09 63%	ALLY PRODUCTIVE
Area (A) proration unit size, acres Porosity (por), % Water saturation (Sw), % Net Thickness (h), ft. Temperature (T), Fahrenheit Sottom Hole pressure (P), psia	VOLUMETRIC CALC SANDS PERFORAT 40 12.0% 60% 50 120	SANDS N POTENTI 40 15.09 63% 70 120	ALLY PRODUCTIVE

*Sometimes unable to match performance due to volumetric uncertainty.

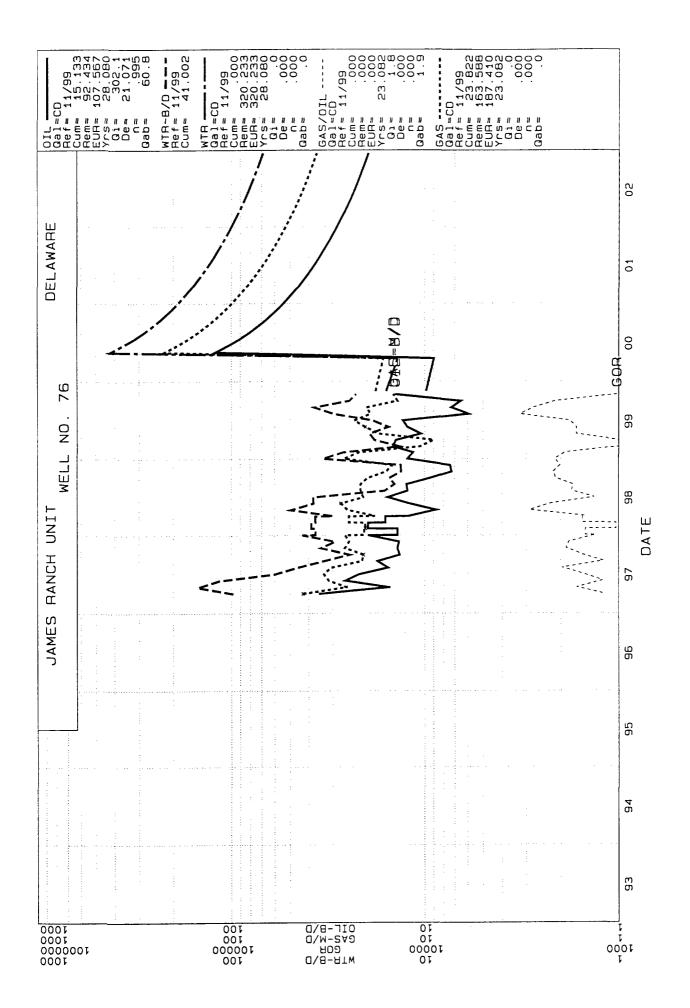
Formula = (7758) (A) (h) (por) (1-Sw) (1/Boi) (RF)

Boi = 1.50

PERFORMANCE DATA

sufficient history exists,	attach plot of oil production r	ate v time.)			
UMULATIVE PRODUC	TION TO	11/30/99	; 15,133 BE	BLS	
		PROI	DUCING		BEHIND PIPE
NITIAL RATE (qi)			302		3,770
CONOMIC LIMIT (41)			60		60
ECLINE RATE, dy (Hyp	erbolic, n=.995)	21	.07%		88.47%
EMAINING OIL (Q) =		16	,367		68,000
LTIMATE RECOVERA	BLE OIL	99	2,500		
Attach plat showing prora	ation unit and participating are	a.)			
		ECO	NOMIC		
VELL COST &	570,000 (to the dept	h of formation complete	4)		
FECONDUCTION COST			uj		
ECOMPLETION COST	\$65,000 (5/20) 635,000	<u>,</u> 0)			
OTAL CO31 \$	833,000			10% NET BFIT	
YEAR	GROSS OIL	REVENUE	OPERATING COST	DISCOUNTED CASH FLOW	
ZERO	0	0	0	-570,000	
1	5,900	121,100	34,600	83,000	
2	5,200	75,500	31,000	39,000	
3	3,800	73,800	28,500	35,900	
4	21,100	526,100	63,700	331,500	
5	14,100	299,400	45,300	164,800	
5 6	<u>14,100</u> <u>8,500</u>	<u> 299,400</u> <u> 170,300</u>	<u>45,300</u> <u>34,200</u>	<u>164,800</u> <u>79,900</u>	
6	8,500	170,300	34,200	79,900	
6 7	8,500 6,100	170,300	34,200 29,600	79,900 46,400	
6 7 8	8,500 6,100 4,800	170,300 117,000 91,200	29,600 27,200	79,900 46,400 30,700	





JRU #76 DELAWARE PREPARED BY: KENT ADAMS

INPUT DATA

DATE : 02/08/00
TIME : 08:17:32
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 51

CALCULATED DATA

700 LSE/WI 1	570 PRI/OIL 575 PRI/GAS	565 ATX	555 STX/OIL 560 STX/GAS	550 OPC/T	544 PRI/WTR 545 "	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	536 "	535 "	534 =	531 FK1/GAS		526 "	7.7.7 =	523 :		521 "	520 "	519 "	518 *		450 START	440 WTR/OIL 445 "	435 START	430 GAS/OIL	425 START	420 "		410 OIL	405 START	1 1 1 1 1 1	ITEM
100.0000	9100 1300	.17	7.08 7.93	1600.00	.5000	2.58	2.27	2.11	2.59	1.94		18.13	18 18	20.67	24.94	19.25	14.43	20.74	22-26	16.8800	03/97	1.62 3.50	11/99	1.84	11/99	93.39	4015.00	302.14	11/99	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SCHEDULING RATES
Ū	9100 1300	×	× ×	×	. 5000 X	**	< ×	×	× ×	: × ×		×:	< >	< ×	: ×	×	×	×	× ×	×		x 3.50		1.89		×	×	×		1	RATE
مد	\$/B	مد	* *	\$/M	\$/U \$/U	E E	M/S	×/×	S/X	X X	: :	8/B	6/B	\$/B	\$/B	\$/B	\$/B	\$/B	\$/B	\$/B		u/B 0/B		M/B		В/М	B/M	м/в		1 1 1	02 : 1 1 1 1
To	TO	то	TO	ТО	1/2000 TO	1/2002 TO	1/2000	1/99	1/98	1/95	•	TO	1/2004	1/2002	1/2001	1/2000	1/99	1/98	1/96	1/95		05/2000 TO		12/2022 AD		7.61		05/2000			SCHEDULE UNTIL
LIFE	LIFE	LIFE	LIFE	BAIT	AD LIFE	AD LIFE	ð	AD T	8 8	AD AD		LIFE	ž è	AD	AD.	AD UA	₽ B	AD:	A A	XX/WW		AD LIFE		AD		UMI	AD	AD			UNTIL
FLAT	54	PC	PC PC	SCH		0 0 C	8 8	P C	מי מי) O	1	ה מ	D C	D.C.	РC	PC	od	D G	מ מ	PC		EXP		LOG		EXP	н/0.995	H/0.995		1 1 1	PROCEDURE
.00	.00	. 00	.00	OPC	.00			. 00	. 00		;			. 00	. 00	. 00	. 00	. 60	. 00	.00		10.11 TIME		TIME		5.00	88.47	21.07		1	!
																										107.567	99.954	16.846		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ULTIMATE
11/27	11/27 11/27	11/27	11/27 11/27	11/27	2/97 2/97	12/01 11/27	12/99	12/98	2/97	11/27 2/97		11/27	12/02	12/01	12/00	12/99	12/98	12/97	11/27	11/27		4/00 11/27		11/22		11/27	6/19	4/00		r	LAST
																						10.11						21.07			EFF. DECL
1.000	910 130	. 002	.071	1600.000	.500	2.580 2.580 2.570	2.270	2.110	2.610	1.890 1.940		18 130	19.200	20.670	24.940	19.250	14.430	30 740	18.390	16.880		1.624				93.	4015.	302.			INIT. RATE
1.000	18.130 2.570	.002	.071 .079	1600.000	. 500	2.580 2.580 2.570	2.270	2.110) 590			18.180	19.200	20.670	24.940	19.250	14.430	30 340				1.540				61.	93.	270.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FINAL RATE

201 LOSS 1	RESERVE PARAMETERS	800 DRILL 801 WORKOVER 802 SALVAGE	INVESTMENT	905 LOAD 910 LOAD 915 LOAD	OVERLAYS	761 OWN/ORR	740 LSE/RIG 760 LSE/ORR	721 OWN/RI	720 LSE/RIC	701 OWN/WI
NO 15.13	METERS	240.00	TANGIBLES & INTANGIBLES	P.OIL OIL P.GAS GAS P.WATER WTR	SCHEDULING RATES	. 0000	12.5000	.0000	12.5000	100.0000
		330.00 M\$G 65.00 M\$G	& INT	##	RATES	ט	ם ם	D	ŋ	ט
CUMG, MMF	ITEM	O M\$G	MGIBLES		. U2	de.	ok ok	*	*	مبو
23.82		03/97 5/2000 TO	TIME		SCHEDULE UNTIL	ТО	TO O	ю	To	To
		AD AD LIFE			UNTIL	LIFE	LIFE	LIFE	LIFE	LIFE
CUMI, MB	ITEM	PC	PROCEDURE	9	PROCEDURE	FLAT	FLAT FLAT	FLAT	FLAT	FLAT
		. 00		,		.00	. 00	. 00	. 00	. 00
		570.000 65.000 -24.000	TOTAL T&I	15.561 24.260 41.002	ULTIMATE					
		3/97 5/ 0 11/27	MONTH	2/00 2/00 2/00	LAST	11/27	11/27 11/27	11/27	11/27	11/27
			RISK INV.		EFF. DECL					
		570.0 65.0 -24.0	RISK INV. TOT. TeleR		EFF. DECL INIT. RATE		. 125		. 125	1.000
		570.0 65.0 -24.0	ESC. T&I&R		FINAL RATE		.125		.125	1.000

PROJECT ASSUMPTIONS
BASE DATE : 3/97
P.W. DATE : 3/97
REPORT DATE : 3/97

TIME FRAMES: 1*10 38*12 1*600
PW %-AGE : 10.0 DISC. FREQUENCY: 365.
PROD QUAL : CD OWNER QUAL : CD

OTHER QUAL : CD

JRU #76 DELAWARE PREPARED BY: KENT ADAMS

`)

DATE : 02/08/00
TIME : 08:17:32
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 51

RESERVES AND ECONOMICS EFFECTIVE DATE: 3/97

PRESENT WORTH @ 10.00 % 11) NET INCOME 12) INVESTMENTS & RISK 13) BFIT NET 14) CUM BFIT NET	ECONOMICS, M\$	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCP WATER PHASE	OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	PERIOD ENDING OWNERSHIP 1) WORKING INTEREST, \$ 2) REVENUE INTEREST, \$
83.0 570.0 -487.0	121.1 8.7 .2 16.0 9.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	8.7 7.6 18.6 2.460 2.19.4 19.4	5.9 5.2 102.5 19.83	.0 570.0 .0	12/97 100.000 87.500
39.0 .0 39.0 -448.0	75.5 5.55 6.2 6.2 .0 44.5	8.1 7.1 14.0 1.980 1.2.4 12.4	5.2 4.6 61.6 13.52		12/98 100.000 87.500
35.9 .0 35.9 -412.1	73.8 5.3 19.2 3.9 .0 .0 .0 45.3	6.7 5.8 12.5 2.140 7.7 7.7	3.8 3.3 61.3 18.34		12/99 100.000:
331.5 47.4 284.1 -128.0	526.1 38.0 19.2 5.7 0 .0 462.4 462.4 397.4	38.5 33.7 83.2 2.470 71.0 71.0	21.1 18.4 442.9 24.03	65.0 65.0	12/00 100.000 :
164.8 .0 164.8 36.8	299.4 21.7 21.7 19.2 3.9 .0 .0 .0 .254.1	26.0 22.7 55.7 2.450 49.3 .080	14.1 12.3 243.7 19.76		2/00 12/01
79.9 .0 79.9 116.7	170.3 12.3 19.2 2.4 0 .0 .0 136.1	15.8 13.8 33.6 2.440 29.9 29.9	8.5 7.5 136.6 18.29		12/02
46.4 .0 46.4 163.1	117.0 8.5 8.5 19.2 1.7 .0 .0 .0 .0 87.4	11.3 9.9 24.2 2.440 21.5 21.5	6.1 5.4 92.8 17.27		12/03
30.7 .0 30.7 193.8	91.2 6.6 119.2 11.3 .0 63.9	8.9 7.8 18.9 2.440 16.8 16.8	4.8 4.2 72.3		12/04 100.000 87.500
21.3 .0 21.3 215.1	74.8 5.4 1.1 19.2 1.1 0 .0 49.0	7.3 6.4 15.6 2.440 13.8 13.8	3.9 3.4 59.3		12/05 100.000:
15.2 .0 15.2 230.3	63.5 4.6 19.2 19.2 .0 .0 38.6	6.2 5.4 13.2 2.440 11.7 11.7	3.3 2.9 50.3 17.22		12/06 100.000:
847.6 617.4 230.3 230.3	1612.7 1116.6 2.5 188.8 36.9 0.0 .0 .0 .1267.8 635.0 632.8	137.3 120.1 289.5 2.410 253.5 253.5	76.8 67.2 1323.2 19.68	.0 635.0 .0	s TOT
40.1 -2.5 42.6 272.8	431.8 31.3 .7 246.4 6.3 .0 .0 .0 .147.1 -24.0	42.3 37.0 90.3 2.440 79.3 79.3	22.7 19.8 341.5 17.22	.0 -24.0 .0	AFTER
887.7 614.9 272.8 272.8	2044.5 148.0 3.2 435.2 43.2 0 .0 .0 .1414.9 611.0 803.9	179.6 157.2 379.9 2.417 332.9 332.9	99.5 87.1 1664.7 19.12	.0	22.7 YR TOTAL 100.000 87.500

DATE : 02/08/00
TIME : 08:17:32
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 51

ż

AFTER TAX ECONOMICS

PRESENT WORTH @ 10.00 \$ 30) NET INCOME 174.3 31) INVESTMENTS & RISK 570.0	20) REVENUE-SEV-WPT 112.4 21) - OPR. COSTS & ATX 25.9 22) + NPI OWNED - PAID .0 23) - F.I.T95.2 24) = A.F.I.T. 181.7 25) - LOAN REPAYMENT .0 26) - INTEREST PAID .0 27) = NET INCOME 181.7 28) - INVESTMENTS & RSK 570.0 29) = A.F.I.T. NET -388.3	- NET - DEPLETION - DEPLETION - INTEREST PD & CAP - TAXABLE - TAXABLE - TAX RATE, % - TAX CREDIT - WPT REFUND - F.I.T.	TAX CALCULATIONS, M\$	OF INVESTMEN	PERTOD ENDING 12/97
42.1	70.1 25.5 .0 -3.6 48.1 .0 48.1 48.1	-10.1 .0 -10.1 35.0 .0	75. 5.5 5.5 25.5 25.6	1	12/98
35.7 .0	45.11 45.11 45.11	35	73. 5.3 5.3 23.0 24. .0		12/99
239.8 47.4 192.4	25.7 25.7 127.9 334.5 .0 334.5 65.0 269.5	365.4 .0 365.4 35.0 .0	526.1 38.0 25.7 25.7 32.0	65.0	EFFECT
112.3 .0 112.3	277.7 23.6 .0 .0 80.9 173.2 .0 173.2 .0	231.2 .0 .0 231.2 35.0 .0 .0	299.4 21.7 21.6 23.6 .0		EFFECTIVE DATE:
56.3 56.3	157.9 21.9 .0 40.1 95.9 .0 .0 95.9 .0	114.6 10.0 114.6 35.0 35.0	170.3 12.3 .0 21.9 .0	. 0	: 3/97
34.2 .0 34.2	108.5 21.1 21.1 64.3 64.3 64.3	35.00 35.00 23.11	117.0 8.5 .0 21.1 .0 .0	. 0	1 2 / 0 2
22.4 20.0	84.6 20.7 17.4 46.5 46.5	49.6 49.6 49.6 35.0	91.2 6.6 .0 20.7 .0	. 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
13.8 .0 13.8	69.4 20.4 .0 17.1 31.8 .0 31.8	49.0 .0 .0 49.0 35.0 .0	74.8 5.4 20.4 .0	.00	13/05
9.9	58.9 20.2 13.5 25.1 .0 25.1 .0 25.1	38.6 38.6 35.0 13.5	63 	.00	
740.9 617.4 123.5	1496.0 228.2 .0 .0 221.5 1046.3 .0 .0 1046.3 635.0 411.3		1612.7 116.6 .0 228.2 .0 2395.0	395.0	
26.0 -2.5 28.5	253.4 253.4 51.5 95.6 95.6 .0 95.6 124.0		431.8 31.3 .0 253.4 .0	.0 .0 .24.0	
766.9 614.9 152.0	1896.5 481.7 0 273.0 1141.9 .0 .1141.9 611.0 530.9	779.9 .0 .0 .0 .0 .0 .0 .0 .0 .0	2044.5 148.0 .0 481.7 .0 .0 .0 .0	395.0 395.0 216.0	22.7 YR

JRU #76 DELAWARE PREPARED BY: KENT ADAMS

DATE : 02/08/00
TIME : 08:17:32
DBS FILE : JRUPA
SETUP FILE : CD
SEQ NUMBER : 51

. **Ì**

ECONOMIC INDICATORS

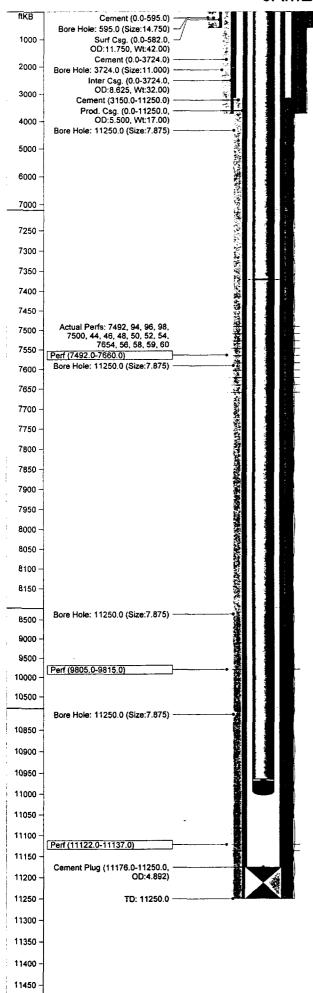
AS OF DATE: 3/97

WORTH DROFTLE	WORTH M\$	M\$	BONUS M\$
PRESENT WORTH PROFILE AND RATE-OF-RETURN VS. BONUS TABLE	AND NUS TABLE		
0.	803.867		816.790
in v	489 870	430.234 306 839	620.922
6.	440.289	271.512	358.746
8.	350.982	207,841	266.094
10.	272.850	152.049	189.674
20.	-3.882	-47.192	-54.261
40:	-272.035	-167.776 -246 288	-184.937 -264 747
50.	-340.995	-299.915	-317.222
60.	-388.140	-337.940	-353.546
70.	-421.222	-365.790	-379.742
80.	-444.984	-386.801	-399.312
90.	-462.432	-403.099	
100.	-475.524	-416.076	-426.376
RATE OF RETURN, PCT.	19.9	17.6	
UNDISCOUNTED PAYOUT, YRS	RS. 3.82	3.98	
DISCOUNTED PAYOUT, YRS.	. 4.61	5.07	
UNDISCOUNTED NET/INVEST.	T. 2.32	1.87	

DISCOUNTED NET/INVEST.

1.44

1.25



JAMES RANCH UNIT #76	API No.				Ci-t				
TD		30	01520172		CALA				
Depart			01029173		Stati	us	i	ACT	OIL
Depart	וטו	11	250.0 ftKB		Engi	ineer	-!		
Operator BEPCO	PBTD	11	176.0 ftKB		1				
ID Code	Operator				Pern	nit			
Field			76			d			
Date Updated								10/1	5/96
Date Updated 1/9/97		LOS		S				10/2	3/96
Comments									
Docation Township S023 Top Latitude O Top Longitude O Top Longitude O Top Longitude O Top Longitude O Top NS Distance 1900.0 ft N Top EW Distance 360.0 ft W Section 6 Bottom Latitude O Unit Ltr. E Bottom Longitude O State NEW MEXICO Btm NS Distance 0.0 ft E E E E E E E E E	Date Updated		1/9/97		Aba	ndoned			
Township	Comments	Drill	ed by Enro	n	1				
Range	Location				•				
Range	Township	-	S023		Top	Latitude			0
Range	•						e		
Top EW Distance 360.0 ft W	Range		E031					190	0.0 ft N
Section 6									
Unit Ltr.	Section		6						
State									
County EDDY Btm EW Distance 0.0 ft		N		CO				0.	
Section Status			EDDY						
RB						211 0.00			
String		- ;	3311 O ft	-	Cas	Fina			1 A #
RB-Grd		- ;							
Item					100	Heau	 -		ι.υ ιι
Item		~ 6		in-	!				
Intermediate Casing Top Surface Casing String Top String String Top String						ID.	18/4	0-4	71
11 3/4 in Surf 0.0 582.0 11.084 42.00 H-40 Csg. Casing String - Intermediate Casing Item Top Btm Jnts ID Wt Grd Thd (ftKB) (ftKB) (ftKB) (ftKB) Top Btm Jnts ID Wt Grd Thd (ftKB) (ftKB) Top Btm Jnts ID Wt Grd Thd (ftKB) (ftKB					เเร	טו	777	Gra	ind
Casing String - Intermediate Casing Item		(11)	(B) (HKB	<u> </u>	<u></u>	44 004	40.00	11.40	,
Top Btm Jnts JD Wt Grd Thd			U.U 582.0	١,	j	11.084	42,00	H-40	,
Item				_ا_				<u> </u>	
(in)								,	
S S S In Inter Csg. 0.0 3724.0 7.921 32.00 J-55	ltem				nts 📒	ID ,	Wt	Grd	Thd
Casing String - Production Casing Item			(B) (ftKB)) .		:		1	
Top Btm Jnts ID Wt Grd Thd	8 5/8 in Inter Cs	sg.	0.0 3724.0)	i	7.921	32.00	J-55	
Item			duction	Casi	ina				
(in) (ftKB) (ftKB) 4.892 17.00 95&P1 5 1/2 in Prod. 0.0 1250.0 4.892 17.00 95&P1 Csg. Casing Cement Casing String Top (ftKB) Amount (sx) Comments Surface Casing 0.0 310 Intermediate Casing 0.0 375 Production Casing 3150.0 1360 TOC by Temp Sur. Tubing String - Primary Tubing Item Top Btm Jnts (in) ID Wt Grd Thd (in) 2 7/8 in Tbg. 0.0 7371.0 234 2.441 6.50 L-80 8rd 8rd 4 57/64 in TAC 7371.0 7374.0 2.875 0.00 2.78 in Tbg. 7374.0 10965.0 114 2.441 6.50 L-80 8rd 2 7/8 in Tbg. 7374.0 10965.0 114 2.441 6.50 L-80 8rd 8rd 2 7/8 in PS 10966.0 10970.0 0 0.000 0.00 2.441 6.50 L-80 8rd Other (plugs, equip., etc.) - Plug Back Int (ftKB) Date Int Shots (/ft) 10/15/96 Cement Plug 11176.0 - 11250.0 Perforations Date Int Shots (/ft) 11/22/96 9805.0 - 9815.0	Casing Strin	-		_			1074	Grd	76.4
Stimulations & Treatments Startus Startus Startus Startus String Top Amount Comments Comments Startus String String Top Amount Comments Startus String Str		: To	on Btm	Jn	ıts :	ID I	YYI		l ina
Casing Cement	Item				ıts	ID	vvt	Giu	Ina
Casing String	Item (in)		(B) (ftKB)	its				
Casing String	Item (in) 5 1/2 in Prod.		(B) (ftKB)	its				
Comment Comm	Item (in) 5 1/2 in Prod. Csg.	(ftl	(B) (ftKB)	its				
Surface Casing	Item (in) 5 1/2 in Prod. Csg. Casing Ceme	(fti	(R) (ftKB 0.0 1250.0)		4.892	17.00	-95&P	21
Intermediate Casing	Item (in) 5 1/2 in Prod. Csg. Casing Ceme	(fti	(B) (ftKB 0.0 1250.0 Top	Ar	moun	4.892	17.00	-95&P	21
Production Casing 3150.0 1360 TOC by Temp Sur.	Item (in) 5 1/2 in Prod. Csg. Casing Ceme	ent ing	(B) (ftKB 0.0 1250.0 Top (ftKB)	Ar	noun (sx)	4.892 t	17.00	-95&P	21
Tubing String - Primary Tubing Item	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri	(fti ent ing	(B) (ftKB 0.0 1250.0 Top (ftKB)	Ar	noun (sx)	4.892 t	17.00	-95&P	21
Item	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Casing	ent ing	(B) (ftKB 0.0 1250.0 Top (ftKB) 0.0	Ar	moun (sx) 31	4.892 t	17.00 Con	=95&P	21
(in) (ftKB) (ftKB) (in) 2 7/8 in Tbg. 0.0 7371.0 234 2.441 6.50 L-80 8rd 4 57/64 in TAC 7371.0 7374.0 2.875 0.00 2.7/8 in Tbg. 7374.0 10965.0 10965.0 10965.0 10966.0 8rd 2 7/8 in SN 10965.0 10966.0 0.000 0.000 0.00 2.7/8 in MA 10970.0 0.000 0.000 0.00 2.7/8 in MA 10970.0 10.000 0.000 0.00 </td <td>Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Caroution Cas</td> <td>ent ing asing</td> <td>Top (ftKB) 0.0 1250.0 (ftKB) 0.0 3150.0</td> <td>Ar</td> <td>moun (sx) 31</td> <td>4.892 t</td> <td>17.00 Con</td> <td>=95&P</td> <td>21</td>	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Caroution Cas	ent ing asing	Top (ftKB) 0.0 1250.0 (ftKB) 0.0 3150.0	Ar	moun (sx) 31	4.892 t	17.00 Con	=95&P	21
2 7/8 in Tbg. 0.0 7371.0 234 2.441 6.50 L-80 8rd 4 57/64 in TAC 7371.0 7374.0 2.875 0.00 2 7/8 in Tbg. 7374.0 10965.0 114 2.441 6.50 L-80 8rd 2 7/8 in SN 10965.0 10966.0 0.000 0.00 0.000 0.00 2 7/8 in PS 10966.0 10970.0 0.000 0.00 0.000 0.00 2 7/8 in MA 10970.0 11005.0 0.000 0.00 0.000 0.00 2 7/8 in MA 10970.0 11005.0 0.000 0.00 0.000 0.00 2 7/8 in MA 10970.0 11005.0 0.000 0.00 0.000 0.00 2 7/8 in MA 10970.0 11005.0 0.000 0.000 0.00 0.000 0.00 2 7/8 in PS 10966.0 10970.0 0.000 0.000 0.00 0.000 0.00 2 7/8 in PS 10966.0 10970.0 0.000 0.000 0.00 0.000 0.00 2 7/8 in PS 10966.0 10970.0 0.000 0.000 0.00 0.000 0.00 2 7/8 in PS 10966.0 0.000 0.000 0.000 0.000 0.000 0.00 2 7/8 in PS 10966.0 10970.0 11005.0 0.000 0.000 0.000 0.000 0.000 2 7/8 in PS 10966.0 10970.0 11005.0 0.000 0.000 0.000 0.000 0.000 0.000 3 11122.0 - 11137.0 11137.0 11137.0 11137.0 11137.0 0.000 0.000 0.000 0.000 4 11122.0 - 11137.0 11137.0 11137.0 11137.0 11137.0 11137.0 11137.0 11137.0 11137.0 11137.	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Caroduction Cas Tubing Strin	ent ing asing ing g - Pri	Top (ftKB) 0.0 1250.0 70p (ftKB) 0.0 3150.0 mary Tub	Ar	moun (sx) 31 37	4.892 t 10 75 60 TOC	17.00 Con	p Sur.	es .
4 57/64 in TAC	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Ce Production Cas Tubing Strin Item	ent ing asing ing g - Prii	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 0.0 3150.0 mary Tub op Bti	Ar	moun (sx) 31 37	4.892 t 10 75 30 TOC ID	17.00 Con	p Sur.	es .
2 7/8 in Tbg. 7374.0 10965.0 114 2.441 6.50 L-80 8rd 2 7/8 in SN 10965.0 10966.0 0.000 0.000 0.000 0.00 2 7/8 in PS 10966.0 10970.0 0.000 0.000 0.000 0.00 2 7/8 in MA 10970.0 11005.0 0 2.441 6.50 L-80 8rd Other (plugs, equip., etc.) - Plug Back Date Item Int (ftKB) 10/15/96 Cement Plug 11176.0 - 11250.0 Perforations Date Int Shots (/ft) 10/24/96 11122.0 - 11137.0 4.0 4.0 11/22/96 9805.0 - 9815.0 4.0 4.0 12/4/96 7492.0 - 7660.0 0.1 0.1 Stimulations & Treatments Date Type Interval Interval Fluid Sand Comment 0/26/96 Sand Frac 11122.0 - 11137.0	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Ce Production Cas Tubing Strin Item	ent ing asing ing g - Prii	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 0.0 3150.0 mary Tub op Bti	Ar	moun (sx) 31 37 136	4.892 t 10 75 50 TOC ID (in)	17.00 Con	p Sur.	es .
2 7/8 in SN 10965.0.10966.0 0.000 0.000 0.000 2 7/8 in PS 10966.0.10970.0 0.000 0.000 0.000 2 7/8 in MA 10970.0.11005.0 2.441 6.50 L-80 8rd Other (plugs, equip., etc.) - Plug Back Int Int (ftKB) Perforations Date Int Shots (/ft) 10/24/96 11122.0 - 11137.0 4.0 11/22/96 9805.0 - 9815.0 4.0 12/4/96 7492.0 - 7660.0 0.1 Stimulations & Treatments Date Type Interval Fluid Sand Comment 0/26/96 Sand Frac 11122.0 - 11137.0 11137.0	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Ca Production Cas Tubing Strin Item (in) 2 7/8 in Tbg.	ent ing asing ing g - Prii	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 mary Tub op Btr KB) (ftK 0.0 737	Ar bing n B)	moun (sx) 31 37 136	4.892 t	17.00 Con by Tem Wt 1 6.5	p Sur.	es Thd
2 7/8 in PS 10966.0 10970.0 0.000 0.00 0.00 2 7/8 in MA 10970.0 11005.0 2.441 6.50 L-80 8rd Other (plugs, equip., etc.) - Plug Back Item Int (ftKB) 10/15/96 Cement Plug 11176.0 - 11250.0 Perforations Date Int Shots (/ft) 10/24/96 11122.0 - 11137.0 4.0 11/22/96 9805.0 - 9815.0 4.0 12/4/96 7492.0 - 7660.0 0.1 Stimulations & Treatments Date Type Interval Fluid Sand Comment 0/26/96 Sand Frac 11122.0 - 11137.0	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Correction Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC	ent ing asing g - Pri (ft	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 mary Tub op Bti KB) (ftK 0.0 737 371.0 737	Ar bing m B)	moun (sx) 31 37 136 Jnts	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0	p Sur.	rd Thd
2 7/8 in MA 10970.0 11005.0 2.441 6.50 L-80 8rd Other (plugs, equip., etc.) - Plug Back Date Item Int (ftKB) 10/15/96 Cement Plug 11176.0 - 11250.0 Perforations Date Int Shots (/ft) 10/24/96 11122.0 - 11137.0 4.0 11/22/96 9805.0 - 9815.0 4.0 12/4/96 7492.0 - 7660.0 0.1 Stimulations & Treatments Date Type Interval Fluid Sand Comment 0/26/96 Sand Frac 11122.0 - 11137.0 11137.0	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Carroll Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg.	enting asing asing g - Prii (ft) 73	Top (ftKB) 0.0 1250.0 1	Ar bing n B) 1.0	moun (sx) 31 37 136 Jnts	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.00 1 6.5	95&P nment p Sur. Gr 0 L-8	rd Thd
Other (plugs, equip., etc.) - Plug Back Date Item Int (ftKB) 10/15/96 Cement Plug 11176.0 - 11250.0 Perforations Date Int Shots (/ft) 10/24/96 11122.0 - 11137.0 4.0 11/22/96 9805.0 - 9815.0 4.0 12/4/96 7492.0 - 7660.0 0.1 Stimulations & Treatments Date Type Interval Fluid Sand Comment O/26/96 Sand Frac 11122.0 - 11137.0	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Carrenduction Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN	(ftling)	Top (ftKB) 0.0 1250.0 1	Ar bing m B) 1.0 4.0 5.0	moun (sx) 31 37 136 Jnts	4.892 t 100 75 500 TOC ID (in) 2.44 2.87 2.44 0.000	17.00 Con by Tem Wt 1 6.55 5 0.00 1 6.50 0 0.00	95&P nment p Sur. Gr 0 L-8	rd Thd
Date	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Carrenduction Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN	ing asing asing ft g - Pri ft ft 73 109 109	Top (ftKB) 0.0 1250.0 1	Ar Ar B) (4.0 (5.0 (6.0 (0.0 (0.0 (0.0 (0.0 (0.0 (0.0 (0	moun (sx) 31 37 136 Jnts	4.892 t 100 75 500 TOC 1D (in) 2.444 2.87 2.444 0.000 0.00	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 0 0.0	95&P nment p Sur. Gr 0 L-8 0 L-8 0 0	rd Thd 30 8rd
Date	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Carrent Casing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in PS	ing asing asing ft g - Pri ft ft 73 109 109	Top (ftKB) 0.0 1250.0 1	Ar Ar B) (4.0 (5.0 (6.0 (0.0 (0.0 (0.0 (0.0 (0.0 (0.0 (0	moun (sx) 31 37 136 Jnts	4.892 t 100 75 500 TOC 1D (in) 2.444 2.87 2.444 0.000 0.00	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 0 0.0	95&P nment p Sur. Gr 0 L-8 0 L-8 0 0	rd Thd 30 8rd
Cement Plug	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Care Production Cas Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA	(ftling)	Top (ftKB) 0.0 1250.0 1	Ar bing 1.0 4.0 5.0 6.0 0.0	moun (sx) 31 37 136 Jnts 234	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 0 0.0	95&P nment p Sur. Gr 0 L-8 0 L-8 0 0	rd Thd 30 8rd
Total Tota	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Care Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs	(ftling)	Top (ftKB) 0.0 1250.0 0.0 1250.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Ar hing m B) 1.0 4.0 5.0 6.0 0.0 9.50	moun (sx) 31 37 136 Jnts 234	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 0 0.0	95&P 95&P nment p Sur. Gr 0 L-8 0 L-8 0 L-8	rd Thd 30 8rd 30 8rd
Date	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Care Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs	(ftling)	Top (ftKB) 0.0 1250.0 0.0 1250.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Ar hing m B) 1.0 4.0 5.0 6.0 0.0 9.50	moun (sx) 31 37 136 Jnts 234	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 0 0.0	95&P nment p Sur. Gr 0 L-8 0 L-8 1	rd Thd 30 8rd 30 8rd
Date Int Shots (/ft) Status	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Cc Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS 2 7/8 in MA Other (plugs Date	(ftling) asing asing g - Pri (ft) 73 73 109 109 109 1, equip	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 mary Tub op Btr KB) (ftK 0.0 737 371.0 737 374.0 1096 965.0 1096 966.0 1097 370.0 1100 5., etc.) -	Ar hing m B) 1.0 4.0 5.0 6.0 0.0 9.50	moun (sx) 31 37 136 Jnts 234	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5	95&P nment p Sur. Gr 0 L-8 0 0 L-8 In (ftK	rd Thd 30 8rd 30 8rd
(/ft)	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Cc Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS 2 7/8 in MA Other (plugs Date 10/15/96	(ftling) asing asing g - Pri (ft) 73 73 109 109 109 1, equip	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 mary Tub op Btr KB) (ftK 0.0 737 371.0 737 374.0 1096 965.0 1096 966.0 1097 370.0 1100 5., etc.) -	Ar hing m B) 1.0 4.0 5.0 6.0 0.0 9.50	moun (sx) 31 37 136 Jnts 234	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5	95&P nment p Sur. Gr 0 L-8 0 0 L-8 In (ftK	rd Thd 30 8rd 30 8rd
10/24/96 11122.0 - 11137.0 4.0 11/22/96 9805.0 - 9815.0 4.0 12/4/96 7492.0 - 7660.0 0.1 Stimulations & Treatments Date Type Interval Fluid Sand Comment 0/26/96 Sand Frac 11122.0 - 11137.0 11137.0 Comment Comment	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Cc Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS 2 7/8 in MA Other (plugs Date 10/15/96 Perforations	(ftling) asing asing g - Pri (ft) 73 73 109 109 109 1, equip	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 mary Tub op Btr KB) (ftK 0.0 737 371.0 737 374.0 1096 965.0 1096 966.0 1097 970.0 1100 0., etc.) - It	Ar bing n 1.0 4.0 5.0 6.0 9.5.0 Plucem	moun (sx) 31 37 136 Jnts 234	4.892 t	17.00 Con Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5 1111	95&P nment p Sur. Gr 0 L-8 0 0 L-8 1n (ftK	rd Thd 30 8rd 30 8rd 4t (B)
11/22/96 9805.0 - 9815.0 4.0 12/4/96 7492.0 - 7660.0 0.1 Stimulations & Treatments Date Type Interval Fluid Sand Comment 0/26/96 Sand Frac 11122.0 - 11137.0 11137.0 Comment Comment	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Cc Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS 2 7/8 in MA Other (plugs Date 10/15/96 Perforations	(ftling) asing asing g - Pri (ft) 73 73 109 109 109 1, equip	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 mary Tub op Btr KB) (ftK 0.0 737 371.0 737 374.0 1096 965.0 1096 966.0 1097 970.0 1100 0., etc.) - It	Ar bing n 1.0 4.0 5.0 6.0 9.5.0 Plucem	moun (sx) 31 37 136 Jnts 234	4.892 t	17.00 Con Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5 1111	95&P nment p Sur. Gr 0 L-8 0 0 L-8 1n (ftK	rd Thd 30 8rd 30 8rd 4t (B)
12/4/96 7492.0 - 7660.0 0.1 Stimulations & Treatments Date Type Interval Fluid Sand Comment 0/26/96 Sand Frac 11122.0 - 11137.0 <	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Ca Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs Date 10/15/96 Perforations Date	(ftling) asing asing g - Pri (ft) 73 73 109 109 109 1, equip	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 3150.0 mary Tub op Btr KB) (ftK 0.0 737 71.0 737 774.0 1096 665.0 1096 770.0 1100 0., etc.) - It	Ar Ar Billing M B) 1.0 14.0 15.0 16.0 19.5 19.0 19.0 19.0 19.0 19.0 19.0 19.0 19.0	moun (sx) 31 37 136 Jnts 234 114	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5 Shots (/ft)	95&P 95&P Nment p Sur. Gr 0 L-8 0 L-8 1n (ftK) 76.0 -	rd Thd 30 8rd 30 8rd 4t (B)
Stimulations & Treatments Date Type Interval Fluid Sand Comment 0/26/96 Sand Frac 11122.0 - 11137.0	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Ca Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs Date 10/15/96 Perforations Date	ent ing asing g - Pri (ft 73 73 109 109 109 1, equip	Top (ftKB) 0.0 1250.0 1	Ar Ar Billion B) 1.0 (4.0 (5.0 (6.0 (9.5)) Plucem	moun (sx) 31 37 136 234 114 1 Bac	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5 Shots (/ft)	95&P 95&P Nment p Sur. 0 L-8 0 L-8 1 n (ftK) 76.0 -	rd Thd 30 8rd 30 8rd 4t (B)
Date Type Interval Fluid Sand Comment 0/26/96 Sand Frac 11122.0 - 11137.0 - 11137.0 <td>Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Care Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs Date 10/15/96 Perforations Date 10/24/96 11/22/96</td> <td>ent ing asing g - Pri (ft 73 73 109 109 109 1, equip</td> <td>Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 mary Tub op Bti KB) (ftK 0.0 737 371.0 737 371.0 737 374.0 1096 365.0 1096 366.0 1097 370.0 1100 3., etc.) - It It Plug</td> <td>Ar Ar B) Sing MB B) 1.0 (4.0) (5.0) (6.0) (9.5) (9.0) (9.5) (9.0)</td> <td>moun (sx) 31 37 136 234 114 1 Bac</td> <td>4.892 t </td> <td>17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5 1111 Shots (/ft)</td> <td>95&P 95&P p Sur. Gr 0 L-8 0 0 L-8 1 (ftK) 176.0 -</td> <td>rd Thd 30 8rd 30 8rd 4t (B)</td>	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Care Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs Date 10/15/96 Perforations Date 10/24/96 11/22/96	ent ing asing g - Pri (ft 73 73 109 109 109 1, equip	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 mary Tub op Bti KB) (ftK 0.0 737 371.0 737 371.0 737 374.0 1096 365.0 1096 366.0 1097 370.0 1100 3., etc.) - It It Plug	Ar Ar B) Sing MB B) 1.0 (4.0) (5.0) (6.0) (9.5) (9.0) (9.5) (9.0)	moun (sx) 31 37 136 234 114 1 Bac	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5 1111 Shots (/ft)	95&P 95&P p Sur. Gr 0 L-8 0 0 L-8 1 (ftK) 176.0 -	rd Thd 30 8rd 30 8rd 4t (B)
0/26/96 Sand Frac 11122.0 - 11137.0	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Care Production Cas Tubing String Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs Date 10/15/96 Perforations Date 10/24/96 11/22/96 12/4/96	(ftling) assing g - Prii (ft) 73 109 109 109 109 Cemen	Top (ftKB) 0.0 1250.0 1	Ar Ar B) Sing MB B) 1.0 (4.0) (5.0) (6.0) (9.5) (9.0) (9.5) (9.0)	moun (sx) 31 37 136 234 114 1 Bac	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5 1111 Shots (/ft)	95&P 95&P p Sur. Gr 0 L-8 0 0 L-8 1 (ftK) 176.0 -	rd Thd 30 8rd 30 8rd 4t (B)
11137.0	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Care Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs Date 10/15/96 Perforations Date 10/24/96 11/22/96 5timulations	(ftling) lasing g - Pril (ftl 73 73 109 109 109 , equip	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 0.0 3150.0 mary Tub op Btr KB) (ftK 0.0 737 771.0 737 774.0 1096 165.0 1096 165.0 1097 70.0 1100 0., etc.) - It t Plug Ir 11122.0 9805.0 7492.0 atments	Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar A	moun (sx) 31 37 136 234 114 1 Bac	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5 Shots (/ft)	95&P 95&P p Sur. Gr 0 L-8 0 0 0 L-8 1 (ftK) 176.0 - Sta	rd Thd 30 8rd 30 8rd 4 (B) 11250.0
	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Cce Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs Date 10/15/96 Perforations Date 10/24/96 11/22/96 12/4/96 Stimulations Date Tyl	(ftll ent ing asing g - Pri (ft 73 73 109 109 109 , equip	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 0.0 3150.0 mary Tub op Btr KB) (ftK 0.0 737 771.0 737 774.0 1096 165.0 1096 166.0 1097 170.0 1100 0., etc.) - It t Plug lr 11122.0 - 9805.0 - 7492.0 - atments Inter	Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar A	moun (sx) 31 37 136 234 114 1 Bac	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5 Shots (/ft)	95&P 95&P p Sur. Gr 0 L-8 0 0 0 L-8 1 (ftK) 176.0 - Sta	rd Thd 30 8rd 30 8rd 4 (B) 11250.0
	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Cce Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs Date 10/15/96 Perforations Date 10/24/96 11/22/96 12/4/96 Stimulations Date Tyl	(ftll ent ing asing g - Pri (ft 73 73 109 109 109 , equip	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 250.0 3150.0 mary Tub op Btr KB) (ftK 0.0 737 371.0 737 371.0 1096 665.0 1096 666.0 1097 370.0 1100 0., etc.) - It Plug Ir 11122.0 9805.0 7492.0 atments Inter 11122	Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar A	moun (sx) 31 37 136 234 114 1 Bac	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5 Shots (/ft)	95&P 95&P p Sur. Gr 0 L-8 0 0 0 L-8 1 (ftK) 176.0 - Sta	rd Thd 30 8rd 30 8rd 4 (B) 11250.0
	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Cce Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS 2 7/8 in MA Other (plugs Date 10/15/96 Perforations Date 10/24/96 11/22/96 5timulations Date Tyl 0/26/96 Sand F	(ftling) asing asing g - Pri (ft 73 109 109 109 , equip Cemen	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 3150.0 mary Tub op Bti KB) (ftK 0.0 737 371.0 737 374.0 1096 065.0 1096 066.0 1097 070.0 1100 0., etc.) - t Plug Ir 11122.0 9805.0 7492.0 atments Inter 11122 1113	Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar Ar A	moun (sx) 31 37 136 234 114 114 37.0 5.0 0.0	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5 Shots (/ft)	95&P 95&P p Sur. Gr 0 L-8 0 0 0 L-8 1 (ftK) 176.0 - Sta	rd Thd 30 8rd 30 8rd 4 (B) 11250.0
2/20/97 Sand Frac 7492.0 - 7660.0	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Cc Production Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs Date 10/15/96 Perforations Date 10/24/96 11/22/96 12/4/96 Stimulations Date Tyl	(ftling) lassing g - Prii (ft 73 109 109 109 109 Cemen	Top (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 3150.0 mary Tub op Btr KB) (ftK 0.0 737 71.0 737 774.0 1096 665.0 1096 666.0 1097 770.0 1100 it Plug tr Plug lr 11122.0 9805.0 7492.0 atments Inter 11123 9805.0 -	Ar hing m B) 1.0 (4.0 (5.0 (6.0 (6.0 (6.0 (6.0 (6.0 (6.0 (6.0 (6	moun (sx) 31 37 136 234 114 114 37.0 5.0 0.0	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5 Shots (/ft)	95&P 95&P p Sur. Gr 0 L-8 0 0 0 L-8 1 (ftK) 176.0 - Sta	rd Thd 30 8rd 30 8rd 4 (B) 11250.0
	Item (in) 5 1/2 in Prod. Csg. Casing Ceme Casing Stri Surface Casing Intermediate Caproduction Cas Tubing Strin Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs Date 10/15/96 Perforations Date	ent ing asing g - Pri (ft 73 73 109 109 109 1, equip	Top (ftKB) 0.0 1250.0 1	Ar Ar Billion B) 1.0 (4.0 (5.0 (6.0 (9.5)) Plucem	moun (sx) 31 37 136 234 114 1 Bac	4.892 t	17.00 Con by Tem Wt 1 6.5 5 0.0 1 6.5 0 0.0 1 6.5 Shots (/ft)	95&P 95&P Nment p Sur. 0 L-8 0 L-8 1 n (ftK) 76.0 -	rd The 30 8rd 30 8rd 30 8rd 11250.0

WELL HISTORY

WELL NAME: JAMES RANCH UNIT #76

FIELD NAME: LOS MEDANOS

LOCATION: 1900' FNL & 360' FWL, Sec. 6, T23S, R31E, Unit E

Eddy County, New Mexico

ELEV: 3299' GL, 3311' KB

SPUD DATE: 9/29/96, RR 10/15/96

COMP DATE: 10/23/96

ORIG TD: 11,250'

ORIG PBTD: 11,176'

CASING: 11 %", H-40, 42#, CSA 582', cmt. w/310 sxs, cmt circ. 14 %" hole 0-595'.

8 5/8", J-55, 32#, CSA 3724, cmt. w/975 sxs, cmt circ. 11' hole 595-3727'. 5 ½", CF95 & P-110, 17#, CSA 11,250', cmt w/1360 sxs, TOC 3150' by temp sur.

7 7/8" hole 3724-11,250'.

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

DST: None

CORES & LOGS: DIGL-GR 10/13/96 3700-11,239'

SDL-DSN 10/13/96 200-11,239'

INITIAL COMPLETION

10/24/96 TO 10-25/96 PERF & FRAC 11,122-11,137 (WOLFCAMP)

Ran correlation log, tagged PBTD @ 11,176'.

10/24/96 **Perf** 11,122-11,137', 4 JSPF-0° phased. **Frac** 11,122-11,137' w/61,000

gals. Medallion frac 3000 w/151,000#, 16/30 Ac-Frac Black sand.

Flowed well. Turn to battery.

IP: 10/29/96 F 81 BO, 162 MCF, 27 BW on 16/64" ck.

WORKOVER:

11/20/96 TO 12/19/96 PERF & FRAC 9805-15' (SECOND BONE SPRING) & PERF 7492-7660' (OA) (DELAWARE).

Ran flowing BHP. Set CIPB @ 10,000'. Ran CCL-CBL.

11/22/96 Perf 9805-15' w/4 JSPF, 90° phased (Second Bone Spring) . Acidized

9805-15' w/1500 gals FE acid + 60 BS. Pumped @ 4.2 BPM w/3600 psig. Balled out @ 6300 psig. ATP 3800# @ 5 BPM. ISIP 2600 psig, 5 min 2600 psig, 10 min 2610 psig, 15 min 2625 psig. Flowed & swabbed well. CIBP leaking. Kill well, set 2^{nd} CIBP @ 9994' w/10'

cmt on top. Swab well..

12/4/96 Set CIPB @ 7800'. Perf 7492, 94, 96, 98, 7500, 44, 46, 48, 50, 52, 54, 7654, 56, 58, 59, 60' w/lJSPF (Delaware). Acidized same w/1500

54, 7654, 56, 58, 59, 60' w/IJSPF (Delaware). Acidized same w/I500 gals 15% HCL + 30 BS. Balled off @ 5400 psig. Flowed back well. **DO CIPB** @ 7800', TIH to 9930'. Set Baker pkr @ 9621'. **Frac** 9805-15' w/9,000 gals Spectra Frac G-4000 + 57,000# 20/40 Ottawa sand...

Flow back well, turned to battery. AWO: 12/22/96 F 22 BO, 52 MCF, 6 BLW.

Well History
James Ranch Unit #76
Page 2 of 2

WORKOVER

1/14/97 to 1/17/97

Rel. Pkr @ 9621'. Ran rods & pump, set PU. Placed well on pump.

2/18/97 to 2/22/97 FRAC 7492-7660' (DELAWARE)

Set CIPB @ 8000' w/10' cmt on top. Frac 7492-7660' w/33,000 gals Spectra Frac G-3000 + 77,000# 16/30 Brady sand + 18,000# 16/30 Super LC RCS. Swabbed & flowed well back. Tagged sand fill @ 7778' KB (Delaware perfs @ 7492-7660') Ran rods & pump, placed well on production.

AWO: 3/10/97 68 BO, 80 MCF, 97 BW.

4/10/97 to 4/16/97 DO CIPB's & COMMINGLE ALL ZONES

DO CIBP @ 8,000', DO CIBP @ 9994' & 10,000'. Well flowing Wolfcamp gas, would not die. CO to PBTD @ 11,175. Kill well w/50 bbls produced wtr. Run tbg, rods & pump. Placed well on prod.

AWO: 4/19/97 53 BO, 98 MCF, 100 BW.

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

Stra II her Mexico Energ finerals, and Natural Resources Dep nent

Revised 02-10-94 Instructions on book

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

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

DISTRICT III 1000 Ric Brazos Rd. Aztec, NM 87410

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

AMENDED REPORT

Aztec, NM 874 <u>DISTRICT IV</u> P. O. Box 208									AMENDED	REPUI
Santa Fe, NM		-2088 \	TELL LOCA	ATION A	AND A	CREAGE D	EDICATION :	PLAT		
API Number			² Pool Code 40295 &	50470 96336			hada Ridge ng) & South			
* Property Code		¹ Property N	ame	J	AMES I	RANCH UN	ΙΤ		* Well Number 76	
' OCRID No. 7377		* Operator N	<u>am</u> e	ENRON	1 ПІІ	& GAS CE	IMPANY		* Elevation	
/3//		 				LOCATION			3230	
UL or lot no. Se	ction 6	Township 23 SOUTH	Rang 31 EAST,	(e	Lot Ida		North/South line	Feet from the	East/West line WEST	County
			!		<u> </u>		NT FROM SU	1		
UL or lot no. Se	ction	Township	Rang				North/South line		East/West line	County
Dedicated Acres	13 Join	t or infill	14 Consolidati	on Code	15 Order	No.			· · · · · · · · · · · · · · · · · · ·	
							UNTIL ALL IN			
1900°								contained here to the best of Smature Printed Name Betty Gil Title Regulator Date 7/12/06 SURVEYOF I hereby co- location sho piotted from surveys made my supervites ame is true best of my Date of Survey	CERTIFICA ertify that the win on this plant is and the and correct belief. Y 1, 1998	TION actual under actual under at the

Form, 1150--(July 1992)

UNITED STATES

SCENIT IN DUTLICATE

FURNI APPROVED OME NO. 100±0157 Expires: Frankery 25, 1995

	SU	reau of Layio	Hande			entaette ikkel Hijasitte ikkel	NH 0288	mation and servation 70
WELL CO	MPLETIO	VOR REC	NPLETIC	Mace:	DETAN	ıō roe₌	L FORW. A	LI OTTEE GA TRIBE NAME
ia. Type of we		TELE WELL	Day L	Other			7. LINE AGREE	MENT NAME
3. TYPE OF CO							!	
New.		# 1.00 1.0	2575 C	Other			1. FARM OR LE	MENNIE WELL NO.
I NAME OF OFFICE							i contraction of the contraction	anch Unit 76
Enron Oil &	Ses Company Telephonesis						2 300	
P.O. Box 223		TX 75702			915/6	26-3714	9. AN WELL NO	•
	Corporat Indicate		ance wall any Suite A	rquirements) *	72010	00-3712	12 FEED AND	OGL OR WILLICAT
A Notice 1900 : FNL & A Notice	M PE						<u> </u>	os Medanos (Wolfca
Same							AND SURVEY	OR AREA
. ಈ ಜನ್ನು ರಕ್ಷಣವ ಪ್ರಕರ್ಣ			IL PENT NO.		DATE ISSUEL		Sec 6. 7	Z3S, R31E
29ws			12 .25		1		STEISH	13. 57.478
	A 2-77-12 PE				9/9/96		Eddy	New Mexico
9/29/9 6	10/12/95		23/96	ou.)	329 9 . 6	is (dp. 283, 27, 9 32	व्यः हारः।*	3566. 18. EFEA' CYRINGHEYD
11250	2 700 E 700 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	24 24	HOW MAN	iple Compil. XY:	23.	DRILLED 3Y	COOT YEATOR	LI CABLETCOLI
. PRODUCING INTE	FALL OF THE COME	- TOP, 3077	dm. Name (MD Lond T	voi.				13. WAS DIRECTIONAL SURVEY NAME
1122' - 3111	(Wolfmann)		-					No
· - - -	603385TE255						:	. WAS WELL COKED
ILL. SOL-DS	K				5			No.
			ING RECORD (Rep					
3/4" R-40	12	: 582°	114-3/4	OLE SIZE		* 0	MENTING RECORL	
3/4 3-55 3/8" 3-55	32	137241	1:4.3/.	·			Z A 3 175	ICirculated PP [Circulated
/2° CF-95	÷ ::	111250	7-7/8					poz TCC 3150. TS
P=116		1	1/4//6		1 303 F	: SH & 3/3	P! ## 30730	002:100 3130 13
		LINER RECORD		 	+ 30.		TUBING RECOR	<u>'</u>
SIZE :	- derec	ומאי אפרדטב	SACKS CEMENT	SCREEN	ן ימוי		Depth set (Mo)	PACKER SET (MU)
<u>:</u>	-			Ì	1 N	one i		
:	<u></u>					ļ		
	20 (25 S			72.			CENENT SOU	
	عن بني الني	,			3 11137			MATERIAL USED
				11144	0 1113/			llion frac 3000 30 AC Frac Black
							4.0007 10/-	O MC LISC DISCK
			28090CTI	On				
11127 1232	ne:		PHODUCTI ns. sas lift, pumpins		oj pun o)		WE STAT	us (Producing or Producing
/25/96 Eorter		THE THORESEE	PROD'N. FOR	OIL - BBL	, CAS-:	HCF.	ATER - BBL	-
/25/96	==:owi	<u> </u>	ns. sus lift, pumpins	- size und type :		HCF.	zhwi-in)	Producing
/25/96 Eorter		THE THORESEE	PROD'N. FOR	OIL - BBL	162	HCF.	ATER - BBL.	Producing GAZ-OIL RATIO GRAVITY - AFI(CORE)
/25/96 Eortsa /29/96 W. Tuddyc 2005	24 CARC PRODUCE	TOPORE SIZE 15/64" THE FILL TED 22-HOUZ PLITE	PROD'N. FOR TEST PERICO	OIL - BBL.	162	MATEX - 90L	ATER-BBL 27	Producing GAZ-OIL EATIO GRAVITY - API (CORE) 5
/25/96 For TEST /29/95 W. TUSING #### PISFOSITION OF TAS S	24 Case Park 18	TOPORE SIZE 15/64" THE FILL TED 22-HOUZ PLITE	PROD'N. FOR TEST PERICO	OIL - BBL.	162	MATEX - 90L	ATER-BBL 27	Producing GAZ-OILEATIO GRAVITY-API(CORE) 5
/25/96 E OF TEST //29/96 W. TUSING REPS. DISPOSITION OF ELS	24 Case Park 18	TOPORE SIZE 15/64" THE FILL TED 22-HOUZ PLITE	PROD'N. FOR TEST PERICO	OIL - BBL.	162	MATEX - 90L	ATER-BBL 27	Producing GAZ-OILEATIO GRAVITY-AFI(CORE) 5
/25/96 E OF TEST //29/96 W. TUSING REEL DISPOSITIONS OF EAS &	24 Case Park 18	THORESIZE 15/64" THERESIZEDATES DEMOUS RATE	PROD'N. FOR TEST PERIOD OIL - BBL.	OIL-BBL 81 GAS-M	162 F.	MATEX - 90L	And And And And And And And And And And	Producing GAZ-OILEATIO GRAVITY-API(CORE) 5

the season of the season of the season of the

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL			JAMES RA	NCH UNIT #	76		_FORMATION _		BONE S	PRING	
OCATION		E	_ UNIT,	1900	FEET FROM	NORTH	LINE &	360	FEET FROM	WEST	LIN
ECTION	6	TOWNSHIP	23S	, RANGE	31E	, COUNTY		EDDY		NEW ME	XICO
PUD DATE		9/29/96	_ COMPLETI	ON DATE	11/	25/96	_ INITIAL PRODU	CTION		12/19/96	
ERFORATIC	ONS	9805-15'								7	
TIMULATIC	DN:										
	ACID_	9805-15', 1	500 GALS FE	ACID + 60	BS						-
	FRACTU	RE	9805-15' 9	9,000 GALS	SPECTRA FRAC	C + 57, 000#	20/40 OTTAWA	SAND			-
		···	- <u></u>	v							-
											-
OTENTIAL	-	2-2-97 14 B	OPD, 7 BWP	D, 42 MCFPD)						-
		2-2-97 14 B									-
				tch of Comple	ted Well.)	C CALCUL	ATION				-
				tch of Comple		C CALCUL	ATION				-
				tch of Comple	ted Well.)				T PERFORATED LY PRODUCTIV		-
	of C-105.	Attach Copy of		tch of Comple	oted Well.)						-
Attach Copy	of C-105.	Attach Copy of		tch of Comple	oted Well.)						-
Attach Copy Area (A) prorocosity (por)	of C-105.	Attach Copy of		tch of Comple V	oted Well.)						- -
Attach Copy Area (A) prororosity (por)	ration unit s , % on (Sw), %	Attach Copy of		40 12.0%	oted Well.)						-
Attach Copy Area (A) prororosity (por), Vater saturation	of C-105. ration unit s , % on (Sw), % (h), ft.	Attach Copy of		40 12.0%	oted Well.)						- - - -
Attach Copy Area (A) prororosity (por), Vater saturation Set Thickness Cemperature (of C-105. ration unit s , % on (Sw), % (h), ft. (T), Fahreni	Attach Copy of		40 12.0% 50%	oted Well.)						-
Attach Copy	of C-105. ration unit s , % on (Sw), % (h), ft. (T), Fahreni pressure (P)	Attach Copy of		40 12.0% 50% 7	oted Well.)						- - - -

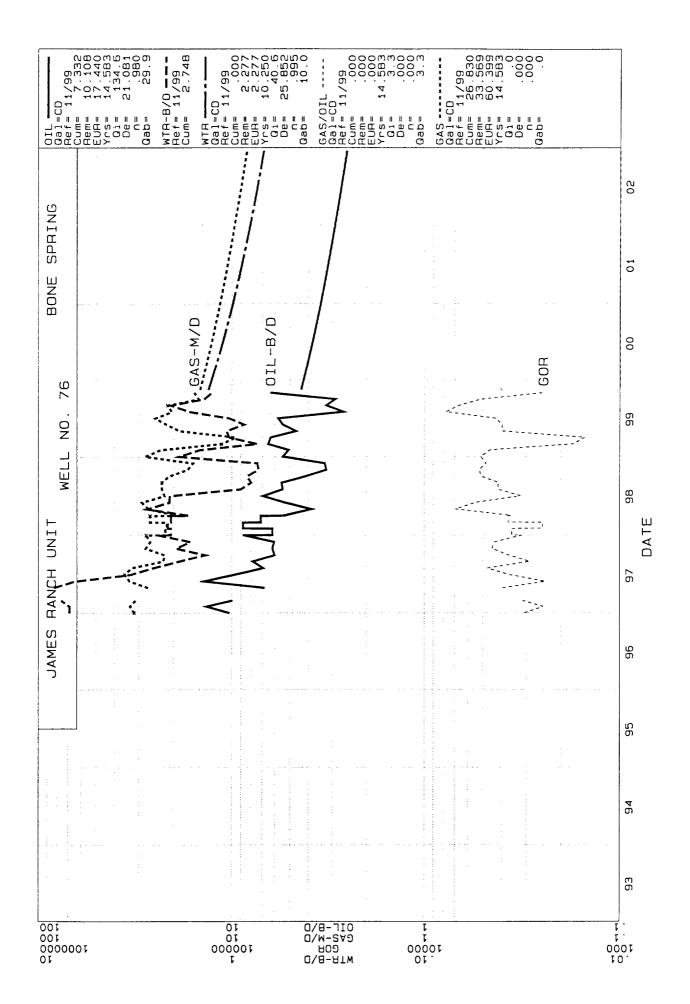
Commercial Determination Page #1 2/10/00

PERFORMANCE DATA

				······································	
(If sufficient history exists	s, attach plot of oil production ra	ate v time.)			
CUMULATIVE PRODUC	CTION TO11/	1/99	7332 BBLS		
INITIAL RATE (qi)	-		135		
ECONOMIC LIMIT (ql)	-		30		
DECLINE RATE, dy	-	Hyperbo	lic d = 21.08% n = .98		
REMAINING OIL (Q) =	• _		5368		
ULTIMATE RECOVERA	BLE OIL		12700		
(Attach plat showing pro	ration unit and participating area	.)			
		ECO	NOMIC		

WELL COST \$	825,000 (to the depth	of formation completed)			
RECOMPLETION COST	\$				
TOTAL COST \$	825,000				
<u>YE</u> AR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW	
ZERO	00	0	0	-825,000	
1	300	8,100	1,800	6,300	
2	2,900	71,400	19,600	48,900	
3	2,300	42,200	17,500	21,200	
4	1,700	40,500	17,400	17,900	
5	1,400	40,200	17,300	16,000	
6	1,200	28,300	16,400	7,500	
7	1,000	22,900	16,000	3,900	
8	900	19,200	15,700	1,800	
9	008	16,900	15,500	700	
10	200	5,200	5,200	0	
REMAINDER					

WELL IS NOT COMMERCIAL



			n I	d I nd	ATA				CAL	CULAT	ED DAT	A
ITEM	SCHEDULING RATES	RATES	1 1	SCHEDULE UNTIL	UNTIL	PROCEDURE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
405 START	11/99											
410 OIL	134.56	×	В/м	10.11	IMU	H/0.980	21.08	17.440	5/14	21.08	135.	30.
415 GAS/OIL	3.32	3.32	2 M/B	01/2097 AD	AD	LIN	TIME		12/96			
420 WTR	40.62	×	в/м	2.28	2.28 IMU	н/0.995	25.85	2.277	1/10	25.85	41.	10.
425 START	12/96											
	16.8800	×	\$/B	1/95	XX/WW	Ođ	. 00		5/14		16.880	
218 " 21/ "	18.39 22.26	××	\$/B	1/96	a a	o o	. 00		5/14		18.390	22 260
	20.74	×	\$/B	1/98	ΑD	PC	.00		12/97		20.740	20.740
520 "	14.43	< ×	\$/B	1/99	g g	PC	.00		12/98		14.430	14.430
	24.94	×÷	\$/B	1/2001	8 8	מ מ			12/00		24 940	19.250
523 "	20.67	×	\$/B	1/2002	AD OTA	PC	.00		12/01		20.670	20.670
525 # #	19.20	× ×	\$/B	1/2003	AD AD	รู้ รู	. 00		12/02		19.200	19.200
526 "	18.13	×	\$/B	To	LIFE	PC	.00		5/14		18.130	18.130
531 PRI/GAS	1.8900	×	M/S	1/95	XX/WW	PC	.00		5/14		1.890	
533 = 1	2.61	××	ν •ν Χ Χ	1/96	AD U	מ מ	. 00		11/96		1.940))
	2.59	×	N/S	1/98	₽ ;	DG ?	. 00		12/97		2.590	2.590
2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.11	× ×	× × ×	1/99	AD C	S S	. 00		12/98		2.110	2.110
	2.60	×	\$/M	1/2001	Вi	Dd.	. 00		12/00		2.600	2.600
539 # #	2.58	××	W/S	1/2002 TO	AD LIFE	ನ್ನ ನಿರ್	.00		12/01 5/14		2.580 2.570	2.580 2.570
544 OPC/T	1190.00	×	\$/M	ю	LIFE	SCH	OPC		5/14		1190.000	1190.000
549 STX/OIL 554 STX/GAS	7.08 7.93	××	عده مد	TO	LIFE	PC	. 00		5/14 5/14		.071	.071
559 ATX	.17	×	*	TO	LIFE	PC	. 00		5/14		.002	.002
564 PRI/OIL 569 PRI/GAS	9100 1300	-,9100 -,1300	\$/B	J J	TIFE	P PC	. 00		5/14 5/14		910 130	18.130 2.570
700 LSE/WI	100.0000	ט	ф	TO	LIFE	FLAT	.00		5/14		1.000	1.000
701 OWN/WI	100.0000	ם	**	TO	LIFE	FLAT	. 00		5/14		1.000	1.000
720 LSE/RIC	12.5000	Ð	*	то	LIFE	FLAT	.00		5/14		.125	. 125
721 OWN/RI	.0000	ם	оф	TO	LIFE	FLAT	. 00		5/14			
740 LSE/RIG 760 LSE/ORR	12.5000	ם ם	æ **	To	LIFE	FLAT	. 00		5/14 5/14		. 125	.125
761 OWN/ORR	. 0000	U	οKo	To	LIFE	FLAT	. 00		5/14			

PROJECT ASSUMPTIONS BASE DATE : 12/96 P.W. DATE : 12/96 REPORT DATE : 12/96	201 LOSS NO 205 CUMO, MB	RESERVE PARAMETERS	800 DRILL 801 SALVAGE	INVESTMENT	905 LOAD 910 LOAD 915 LOAD	;
MPTIONS: 12/96: 12/96: 12/96: 12/96	NO 7.33	METERS	330.00	TANGIBLES	P.OIL OIL # P.GAS GAS # P.WATER WTR #	SCHEDULING RATES
TIME FRAMES : PW %-AGE : PROD QUAL :	CUMG, MMF	ITEM	495.00 M\$G .00 M\$G	TANGIBLES & INTANGIBLES	#	G RATES
: 1*1 38*12 1*600 : 10.0 DISC	26.83		12/96 AD TO LIFE	TIME		SCHEDULE UNTIL
双・	0 1		ਲੇ			TIL
FREQUENCY : 365.	CUML, MB	ITEM	1 1 2 4 1 1 3 3 3 3 3 3 1	PROCEDURE		PROCEDURE
	: : : : :		825.000 -33.000	TOTAL T&I	7.522 27.297 2.748	ULTIMATE
OTHER QUAL : CD	! ! ! !		12/96 5/14	MONTH	2/00 2/00 2/00	LAST
G	1 1 1 1			RISK INV.		EFF, DECL
	,		825.0	INV. TOT. T&I&R		INIT. RATE
			825.0	ESC. T&I&R		DECL INIT. RATE FINAL RATE

Y

RESERVES AND ECONOMICS EFFECTIVE DATE: 12/96

PRESENT WORTH @ 10.00 % 31) NET INCOME 32) INVESTMENTS & RISK 33) BFIT NET 34) CUM BFIT NET	ECONOMICS, M\$	WATER PHASE 16) GROSS WATER, MB 17) NET WATER, MB 18) WATER PRICE, \$/B	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	INVESTMENTS, M\$ 3) BORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	OWNERSHIP 1) WORKING INTEREST, % 2) REVENUE INTEREST, %	PERIOD ENDING
6.3 825.0 -818.7 -818.7	8.1 .6 .0 1.2 .0 .0 .0 .0 6.3 825.0	. 2	1.0 .9 2.1 2.480	.3 6.0 21.35	.0 825.0 .0 825.0	-	12/96
48.9 .0 48.9 -769.8	71.4 5.2 .1 14.3 .0 .0 .0 .1 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1.3 1.3	9.7 8.5 20.9 2.460	2.9 2.5 50.5 19.83		100.000 87.500	12/97
21.2 .0 21.2 -748.7	42.2 3.1 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.7	8.6 7.5 14.9	2.3 2.0 27.4 13.52		00	12/98
17.9 .0 17.9 -730.8	40.5 3.0 114.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	. 4	7.1 6.2 13.3 2.140	1.7 1.5 27.3 18.34		100.000 87.500	12/99 12,
16.0 .0 16.0 -714.7	40.2 2.9 114.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.1.1.000	4.7 4.1 10.2 2.470	1.4 1.2 30.0 24.03		0 0	12/00
7.5 .0 7.5 -707.2	28.3 2.1 .0 14.3 .0 .0 .0 .0	. 000	3.9 3.4 8.3 2.450	1.2 1.0 20.0 19.76		0 0	DATE: 12/96 /00 12/01
3.9 .0 3.9 -703.3	22.9 1.7 1.4.3 .0 .0 .0 .0 6.9	. 0 0 0	3.3 2.9 7.0 2.440	1.0 .9 15.8 18.29		00	12/02
1.8 .0 1.8 -701.5	19.2 1.4 .0 14.3 .0 .0 .0 .0		2.9 2.5 6.1 2.440	.9 .8 13.0 17.27		100.000 87.500	12/03
.7 .0 .7 -700.8	16.9 1.2 1.3 14.3 .0 .0 .0 .0	. 000	2.5 2.2 5.4 2.440	.8 .7 11.5 17.22		100.000 87.500	12/04
.0 -14.3 14.4 -686.5	5. 4.8 4.8 33.0 33.0	. 0 . 0	.8 .7 1.7 2.440	.2 .2 3.6 17.22	-33.0 -33.0	100.000	12/05
124.2 810.7 -686.5	295.0 21.6 21.6 120.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2.7 2.7 .000	44.4 38.9 89.9 2.313	12.7 11.1 205.1 18.48	.0 792.0 .0 792.0	100.000	8.4 YR TOTAL

AFTER TAX ECONOMICS

10/01			
10/01 10/00			
1000		EFFECT	
10/00 10/00 10/01		EFFECTIVE DATE: 12/96	
יייי		: 12/96	
10.00			
10.00			
10.01			
1000			
3	8.4		

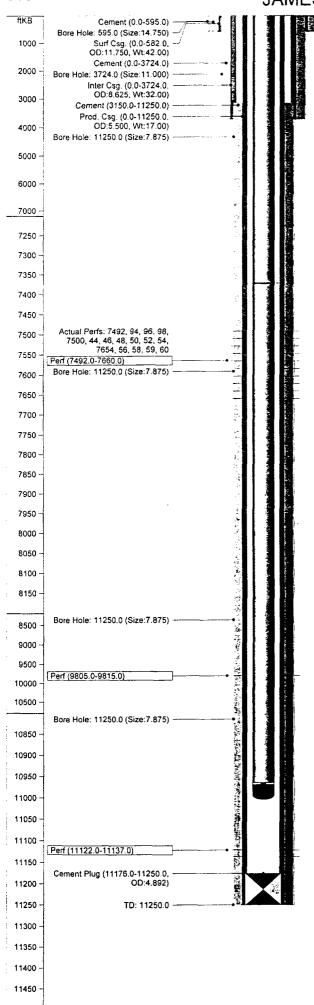
PRESENT WORTH @ 10.00 30) NET INCOME 31) INVESTMENTS & RIS: 32) A.F.I.T. NET 33) CUM. A.F.I.T. NET		16) * TAX RATE, * 17) - TAX CREDIT 18) - WPT REFUND 19) = F.I.T. 20) REVENUE-SEV-WPT 21) - OPR. COSTS & ATX	TAX CALCULATIONS, M\$	TAX TREATMENT OF INVESTMENTS, M\$ 1) EXP, RISK & CAP INT 495.0 2) DEPLETABLE .0 3) DEPRECIABLE 330.0
0.00 % 178.0 RISK 825.0 NET -647.0	6 8 1 1 1	ATX	NTR. 8.1 .6 .0 .0 ATX 1.2 AID .0 .0 495.0 3.9 -492.6	12/96
0 48.3 0 48.3 0 48.3	004004#0	35.0 0 35.0 0 .0 0 .6 4 .66.2 14.4		6 12/97 MS 0 .0
37.3 .0 37.3 -561.4	-18.9 43.7 .0 .0 .0 43.7 .0	35.0 .0 .18.9 .39.1 14.3	42.2 3.1 .0 14.3 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/98
26.9 .0 26.9 25.9	-11.6 34.8 .0 34.8 34.8	35.0 .0 .0 -11.6 37.6 14.3	40.5 3.0 14.3 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	.00.00
20.3 .0 20.3	-6.1 29.0 .0 .0 29.0 29.0	35.0 .0 .0 -6.1 37.3	40.2 2.9 .0 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/00
11.4 .0 11.4 -502.9	.0 18:1 0 .0 18:1 .0	35.0 .0 -6.1 26.2 14.3	28.3 2.1 .0 14.3 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.00.00
8.5 .0 8.5 -494.4	.0 -7.9 14.8 .0 .0 14.8	35.0 .0 .0 -7.9 21.2 14.3	22.9 1.7 1.0 14.3 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/02
6.5 .0 6.5	-9.1 12.5 .0 .0 12.5 .0	35.0 .0 .0 -9.1 17.7	19.2 1.4 .0 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/03
2.4 2.4 2.4 5.5	5.20 5.20 5.20 5.20	35.0 .0 .0 -3.8 15.7	16.9 1.2 .0 14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	12/04
.0 -14.3 14.4 -471.1	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0	35.0 .00.0 4.9	5 	12/05 .0 .0 -33.0
339.6 810.7 -471.1	-235.3 388.0 .0 .0 .0 .0 388.0 792.0 -404.0	35.0 .0 -235.3 273.3	295.0 21.6 0.0 120.7 120.7 .0 495.0 330.0 -672.3	8.4 YR TOTAL 495.0 .0 297.0

JAMES
RANCH
#
76
BONE
SPRING

ECONOMIC INDICATORS

AS OF DATE: 12/96

	. 42		DISCOUNTED NET/INVEST.
	.49	19	UNDISCOUNTED NET/INVEST.
	8.42	8.42	DISCOUNTED PAYOUT, YRS.
	8.42	S. 8.42	UNDISCOUNTED PAYOUT, YRS.
	. 0	. 0	RATE OF RETURN, PCT.
	-610.500	-780.824	100.
-658.630	-605.423	-777.473	90.
			80.
-656.763	-592.385	-768.797	70.
-655.69	-583.733		60.
-654.473	-572.882		50.
-652.96	-558.795		40.
-650.84	-539,706	-733.417	30.
-647.28	-512.452	-714.918	20.
-639.927	-471.094	-686.465	10.
-637.537	-460.261	-678.933	8.
-634.654	-448.302	-670.581	σ.
-632.989	-441.853	-666.061	5.
-626.860	-420.369	-650.927	2.
-621.56	-404.016	-639.333	0.
		ND S TABLE	PRESENT WORTH PROFILE AND RATE-OF-RETURN VS. BONUS TABLE
M\$	M\$	M\$	
BONUS	WORTH	WORTH	
A.F.L.T.	A.F. 1.T.	B. F. L. T.	
, 1 1	* 1 4 3	; 1 4 3	



JAMES RANCH						
API No.	3001529173	Sta			ACTO	
TD	11250.0 ftKB	Eng	gineer		KAA	
PBTD	11176.0 ftKB					
Operator	BEPCO	Per				
Well No.	76	Spu			9/29/9	
ID Code		RR			10/15/9	
	LOS MEDANOS		npletion		10/23/9	96
Author	RAS		t Act.	1		
Date Updated	1/9/97	Aba	andoned			
Comments	Drilled by Enron					
Location						
Township	S023	Тор	Latitude		0	
		Top	Longitud	е	0	
Range	E031		NS Dista		1900.0	Oft N
			EW Dista		360.0	ft W
Section	6	Bott	tom Latitu	de	0	
Unit Ltr.	E	Bot	tom Longi		0	
State	NEW MEXICO) Btm	NS Dista		0.0	
County	EDDY	Btm	i EW Dist	ance .	0.0	<u>ft</u>
Elevations						
KB	3311.0 ft		Flng		0.0	
Grd	3299.0 ft	Tub	Head	·	0.0	ft
KB-Grd	12.0 ft					
Casing String -						
ltem	Top Btm	Jnts ;	۵I	Wt	Grd	Thd
(in)	(ftKB) (ftKB)					
11 3/4 in Surf	0.0 582.0		11.084	42.00	H-40	
Csg.						
Casing String -	Intermediate (Casing	3			
ltem	Top Btm	Jnts	ID	Wt	Grd	Thd
(in)					Oiu	HHU
	(ftKB) (ftKB)			•••	Giu	mu
	0.0 3724.0		7.921		J-55	
8 5/8 in Inter Csg.	0.0 3724.0	asing				
8 5/8 in Inter Csg. Casing String -	0.0 3724.0 Production Ca		7.921	32.00	J-55	
8 5/8 in Inter Csg. Casing String - Item	0.0 3724.0 Production Ca Top Btm	asing Jnts				Thd
8 5/8 in Inter Csg. Casing String - Item (in)	0.0 3724.0 Production Ca Top Btm (ftKB) (ftKB)		7.921	32.00 Wt	J-55 Grd	
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod.	0.0 3724.0 Production Ca Top Btm		7.921 ID	32.00 Wt	J-55	
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg.	0.0 3724.0 Production Ca Top Btm (ftKB) (ftKB) 0.0 1250.0		7.921 ID	32.00 Wt	J-55 Grd	
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement	0.0 3724.0 Production Co Top Btm (ftKB) (ftKB) 0.0 1250.0		7.921 ID 4.892	32.00 Wt	J-55 Grd	
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg.	0.0 3724.0 Production Co Top Btm (ftKB) (ftKB) 0.0 1250.0	Jnts	7.921 ID 4.892	32.00 Wt	J-55 Grd 95&P1	
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String	0.0 3724.0 Production Company Top Btm (ftKB) (ftKB) 0.0 1250.0 Top (ftKB)	Amour	7.921 ID 4.892	32.00 Wt	J-55 Grd 95&P1	
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing	0.0 3724.0 Production Company (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0	Amount (sx)	7.921 ID 4.892	32.00 Wt	J-55 Grd 95&P1	
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin	0.0 3724.0 Production Co Top Btm (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0	Amount (sx)	7.921 ID 4.892 nt	32.00 Wt 17.00	J-55 Grd 95&P1	
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing	0.0 3724.0 Production Co Top Btm (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0	Amount (sx)	7.921 ID 4.892	32.00 Wt 17.00	J-55 Grd 95&P1	
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String -	0.0 3724.0 Production Co Top Btm (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 Primary Tubin	Amoui (sx) 3 13	7.921 ID 4.892 nt 110 175 160 TOC	32.00 Wt 17.00 ³ Con	J-55 Grd 95&P1 nments	Thd
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item	0.0 3724.0 Production Company (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 Primary Tubir Top Btm	Amount (sx) 3 3 13 19 Juits	7.921 ID 4.892 nt 310 775 360 TOC	32.00 Wt 17.00	J-55 Grd 95&P1	
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in)	0.0 3724.0 Production Company (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 Primary Tubir Top Btm (ftKB) (ftKB)	Amount (sx) 3 3 13 19 Jnts	7.921 ID 4.892 nt 310 375 660 TOC s ID (in)	32.00 Wt 17.00 Con by Temp	J-55 Grd 95&P1 nments Sur. Grd	Thd
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg.	0.0 3724.0 Production Company Top Btm (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 Primary Tubir Top Btm (ftKB) (ftKB) (ftKB) (ftKB) 0.0 7371.	Amount (sx) 3 3 13 19 Jnts) 0 23	7.921 ID 4.892 nt	32.00 Wt 17.00 Con by Temp	J-55 Grd 95&P1 nments Sur. Grd C-80	Thd
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casing Intermediate Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC	0.0 3724.0 Production Company (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 Primary Tubir Top Btm (ftKB) (ftKB) 0.0 7371.	Amount (sx) 3 3 13 13 10 Jnts) 0 23	7.921 ID 4.892 Int 310 375 360 TOC S ID (in) 4 2.44 2.87	32.00 Wt 17.00 Con by Temp Wt 1 6.50 5 0.00	J-55 Grd 95&P1 nments Sur. Grd 0 L-80	Thd Thd
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg.	0.0 3724.0 Production Caronic fitks (ftks) (fttks) (ftttttttts) (fttttts) (fttttts) (ftttts) (ftttts) (ftttts) (ftttts) (ftttts) (ftttts) (ftttts) (ftttts) (ftttts) (ftttts) (ftttts) (ftttts) (ftttts) (ftttts) (ftttts) (fttts) (fttts) (fttts) (fttts) (fttts) (fttts) (fttts) (fttts) (fttts) (fttts) (fttts) (fttts) (fttts) (fttts) (fttts)	Amount (sx) 3 13 13 19 Jnts 0 23 0 11	7.921 ID 4.892 nt	32.00 Wt 17.00 Com by Temp Wt 1 6.56 5 0.00 1 6.50	J-55 Grd 95&P1 nments Grd Crd Crd Crd Crd Crd Crd Crd	Thd
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN	0.0 3724.0 Production Ca Top Btm (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 Primary Tubir Top Btm (ftKB) (ftKB) 0.0 7371. 7371.0 7374. 7374.0 10965.	Amount (sx) 3 13 19 Just 0 23 0 11	7.921 ID 4.892 nt	32.00 Wt 17.00 Com by Temp Wt 1 6.50 5 0.00 1 6.50 0 0.00	J-55 Grd 95&P1 nments Grd 0 L-80 0 L-80	Thd Thd
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS	0.0 3724.0 Production Composition (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 Primary Tubir Top Btm (ftKB) (ftKB) 0.0 7371.7371.0 7374.7374.0 10965.0 10966.0 10970.0	Amount (sx) 3 13 19 July 10 0 23 0 0 11	7.921 ID 4.892 nt	32.00 Wt 17.00 Com by Temp Wt 1 6.50 5 0.00 1 6.50 0 0.00 0 0.00	J-55 Grd 95&P1 nments Grd 0 L-80 0 L-80 0 L-80	Thd Thd 8rd
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS 2 7/8 in MA	0.0 3724.0 Production Composition (ftKB) (f	Amount (sx) 3 3 13 19 Jnts) 0 23 0 0 0 11 0 0 0 0	7.921 ID 4.892 nt 10 175 160 TOC s ID (in) 4 2.44 2.87 4 2.44 0.00 0.00 0.00 0.00 0.00 0.244	32.00 Wt 17.00 Com by Temp Wt 1 6.50 5 0.00 1 6.50 0 0.00 0 0.00	J-55 Grd 95&P1 nments Grd 0 L-80 0 L-80 0 L-80	Thd Thd
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, ex	0.0 3724.0 Production Composition (ftKB) (f	Amount (sx) 3 3 13 19 Jnts) 0 23 0 0 11 0 0 0 0 lug Ba	7.921 ID 4.892 nt 10 175 160 TOC s ID (in) 4 2.44 2.87 4 2.44 0.00 0.00 0.00 0.00 0.00 0.244	32.00 Wt 17.00 Com by Temp Wt 1 6.50 5 0.00 1 6.50 0 0.00 0 0.00	J-55 Grd 95&P1 nments C Sur. Grd 0 L-80 0 L-80 0 L-80	Thd Thd 8rd
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS 2 7/8 in MA	0.0 3724.0 Production Composition (ftKB) (f	Amount (sx) 3 3 13 19 Jnts) 0 23 0 0 11 0 0 0 0 lug Ba	7.921 ID 4.892 nt 10 175 160 TOC s ID (in) 4 2.44 2.87 4 2.44 0.00 0.00 0.00 0.00 0.00 0.244	32.00 Wt 17.00 Com by Temp Wt 1 6.50 5 0.00 1 6.50 0 0.00 0 0.00	J-55 Grd 95&P1 nments Grd 0 L-80 0 L-80 0 L-80 Int	Thd Thd 8rd 8rd
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, ed)	0.0 3724.0 Production Composition (ftKB) (f	Amount (sx) 3 3 13 19 Jnts) 0 23 0 0 11 0 0 0 0 lug Ba	7.921 ID 4.892 nt 10 175 160 TOC s ID (in) 4 2.44 2.87 4 2.44 0.00 0.00 0.00 0.00 0.00 0.244	32.00 Wt 17.00 Con by Temp Wt 1 6.55 5 0.00 1 6.55 0 0.00 0 0.00 1 6.56	J-55 Grd 95&P1 nments Sur. Grd 1 L-80 L-80 L-80 L-80 Int (ftKB)	Thd Thd 8rd 8rd
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, ed) Date	0.0 3724.0 Production Composition (ftKB) (f	Amount (sx) 3 3 13 19 Jnts) 0 23 0 0 11 0 0 0 0 lug Ba	7.921 ID 4.892 nt 10 175 160 TOC s ID (in) 4 2.44 2.87 4 2.44 0.00 0.00 0.00 0.00 0.00 0.244	32.00 Wt 17.00 Con by Temp Wt 1 6.55 5 0.00 1 6.55 0 0.00 0 0.00 1 6.56	J-55 Grd 95&P1 nments Grd 0 L-80 0 L-80 0 L-80 Int	Thd Thd 8rd 8rd
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, ed) Date 10/15/96 Ce Perforations	0.0 3724.0 Production Composition (ftKB) (f	Amount (sx) 3 3 13 19 Jnts) 0 23 0 0 11 0 0 0 0 lug Ba	7.921 ID 4.892 nt 310 775 660 TOC s ID (in) 4 2.44 2.87 4 2.44 0.000 0.000 2.44 ck	32.00 Wt 17.00 Con by Temp Wt 1 6.55 5 0.00 1 6.56 0 0.00 0 0.00 1 6.56 1111	J-55 Grd 95&P1 nments Sur. Grd 0 L-80 0 L-80 1 L-80 1 L-80 Int (ftKB	Thd 8rd 8rd 1250.0
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, ed) Date	0.0 3724.0 Production Composition (ftKB) (f	Amount (sx) 3 3 13 19 Jnts) 0 23 0 0 11 0 0 0 0 lug Ba	7.921 ID 4.892 nt 310 775 660 TOC s ID (in) 4 2.44 2.87 4 2.44 0.000 0.000 2.44 ck	32.00 Wt 17.00 Con by Temp Wt 1 6.55 5 0.00 1 6.50 0 0.00 1 6.50 1111 Shots	J-55 Grd 95&P1 nments Sur. Grd 1 L-80 L-80 L-80 L-80 Int (ftKB)	Thd 8rd 8rd 1250.0
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, ed) Date 10/15/96 Ce Perforations Date	0.0 3724.0 Production Ca Top Btm (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 Primary Tubir Top Btm (ftKB) (ftKB) 0.0 7371. 7371.0 7374. 7374.0 10965. 10965.0 10966. 10966.0 10970. 10970.0 11005 quip., etc.) - Pl Iter ment Plug	Amount (sx) 33 13 13 19	7.921 ID 4.892 nt 10 175 160 TOC S ID (in) 4 2.44 2.87 4 2.44 0.00 0.00 2.44 ck	32.00 Wt 17.00 Com by Temp Wt 1 6.50 5 0.00 1 6.50 1 16.50 1111 Shots (/ft)	J-55 Grd 95&P1 mments Sur. Grd 1 L-80 L-80 L-80 L-80 L-80 L-80 L-80 Statu	Thd 8rd 8rd 1250.0
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, ed) Date 10/15/96 Ce Perforations Date	0.0 3724.0 Production Composition (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 Primary Tubir Top Btm (ftKB) 0.0 7371. 7371.0 7374.7371.0 7374.7374.0 10965.0 10966.0 10970.0 11005 quip., etc.) - Pl Iter ment Plug	Amount (sx) 3 3 13 13 19 Jnts) 0 23 0 0 11 0 0 0 lug Ba	7.921 ID 4.892 nt 10 175 160 TOC S ID (in) 4 2.44 2.87 4 2.44 0.00 0.00 2.44 ck	32.00 Wt 17.00 Com by Temp Wt 1 6.50 5 0.00 1 6.50 111 Shots (/ft) 4	J-55 Grd 95&P1 nments Sur. Grd 1 L-80 1 L-80 1 L-80 2 L-80 3 L-80 5 Statu	Thd 8rd 8rd 1250.0
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in PS 2 7/8 in PS 2 7/8 in PS 2 7/8 in MA Other (plugs, ed) Date 10/15/96 Ce Perforations Date 10/24/96 11/22/96	0.0 3724.0 Production Co Top Btm (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 Primary Tubir Top Btm (ftKB) (ftKB 0.0 7371. 7371.0 7374. 7374.0 10965. 10965.0 10966. 10966.0 10970. 10970.0 11005 quip., etc.) - Pl Iter ment Plug Int 11122.0 - 1 9805.0 - 9	Amount (sx) 3 3 13 19 Jnts) 0 23 0 0 0 11 0 0 0 lug Ba n	7.921 ID 4.892 nt 10 175 160 TOC S ID (in) 4 2.44 2.87 4 2.44 0.00 0.00 2.44 ck	32.00 Wt 17.00 Com by Temp Wt 1 6.50 1 6.50 0 0.00 1 6.50 1111 Shots (/ft) 4 4	J-55 Grd 95&P1 nments Sur. Grd 0 L-80 0 L-80 1 L-80 1 L-80 1 L-80 3 L-80 5 Statu	Thd 8rd 8rd 1250.0
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, ed) Date 10/15/96 Ce Perforations Date 10/24/96 11/22/96 12/4/96	0.0 3724.0 Production Composition (ftKB) (f	Amount (sx) 3 3 13 19 Jnts) 0 23 0 0 0 11 0 0 0 lug Ba n	7.921 ID 4.892 nt 10 175 160 TOC S ID (in) 4 2.44 2.87 4 2.44 0.00 0.00 2.44 ck	32.00 Wt 17.00 Com by Temp Wt 1 6.50 1 6.50 0 0.00 1 6.50 1111 Shots (/ft) 4 4	J-55 Grd 95&P1 nments Sur. Grd 1 L-80 1 L-80 1 L-80 2 L-80 3 L-80 5 Statu	Thd 8rd 8rd 1250.0
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in PS 2 7/8 in PS 2 7/8 in MA Other (plugs, ed) Date 10/15/96 Ce Perforations Date 10/24/96 11/22/96 12/4/96 Stimulations &	0.0 3724.0 Production Composition (ftKB) (f	Amount (sx) 3 3 3 13 13 19 Jnts) 0 23 0 0 11 0 0 0 0 11 37.0 815.0 660.0	7.921 ID 4.892 nt 110 7.75 160 175 160 170 4 2.44 2.87 4 2.44 0.00 0.00 2.44 ck	32.00 Wt 17.00 Com by Temp Wt 1 6.56 5 0.00 0 0.00 1 6.50 1111 Shots (/ft) 4 4 0	J-55 Grd 95&P1 nments Sur. Grd 0 L-80 0 L-80 1 L-80 1 Statu 0 0 L-80	Thd 8rd 8rd 1250.0
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in PS 2 7/8 in MA Other (plugs, ed) Date 10/15/96 Ce Perforations Date 10/24/96 11/22/96 12/4/96 Stimulations & Date Type	0.0 3724.0 Production Co Top Btm (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 Primary Tubin Top Btm (ftKB) (ftKB) 0.0 7371. 7371.0 7374. 7374.0 10965. 10965.0 10966. 10966.0 .10970. 10970.0 11005. quip., etc.) - Pl Iter ment Plug Int 11122.0 - 1 9805.0 - 9 7492.0 - 7 Treatments Interva	Amount (sx) 3 3 3 13 113	7.921 ID 4.892 nt 10 175 160 TOC S ID (in) 4 2.44 2.87 4 2.44 0.00 0.00 2.44 ck	32.00 Wt 17.00 Com by Temp Wt 1 6.50 1 6.50 0 0.00 1 6.50 1111 Shots (/ft) 4	J-55 Grd 95&P1 nments Sur. Grd 0 L-80 0 L-80 1 L-80 1 Statu 0 0 L-80	Thd 8rd 8rd 1250.0
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing Cement Casing String Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, ed) Date 10/15/96 Ce Perforations Date 10/24/96 11/22/96 12/4/96 Stimulations &	0.0 3724.0 Production Composition (ftKB) (fttKB) (ftt	Amour (sx) 33 13 13 19	7.921 ID 4.892 nt 110 7.75 160 175 160 170 4 2.44 2.87 4 2.44 0.00 0.00 2.44 ck	32.00 Wt 17.00 Com by Temp Wt 1 6.56 5 0.00 0 0.00 1 6.50 1111 Shots (/ft) 4 4 0	J-55 Grd 95&P1 nments Sur. Grd 0 L-80 0 L-80 1 L-80 1 Statu 0 0 L-80	Thd 8rd 8rd 1250.0
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in TSD. 2 7/8 in PS. 2 7/8 in PS. 2 7/8 in PS. 2 7/8 in PS. 2 7/8 in MA Other (plugs, ed) Date 10/15/96 Ce Perforations Date 10/24/96 11/22/96 12/4/96 Stimulations & Date Type 0/26/96 Sand Frac	0.0 3724.0 Production Ca Top Btm (ftKB) (ftKB) 0.0 1250.0 Top (ftKB) 0.0 3150.0 Primary Tubir Top Btm (ftKB) (ftKB) 0.0 7371. 7371.0 7374. 7374.0 10965. 10966.0 10966. 10966.0 10970. 10970.0 11005. quip., etc.) - Pl Iter ment Plug Int 11122.0 - 1 9805.0 - 9 7492.0 - 7 Treatments Interva 11122.0 11137.4	Amount (sx) 33 13 13 19 0 23 0 0 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.921 ID 4.892 nt 110 7.75 160 175 160 170 4 2.44 2.87 4 2.44 0.00 0.00 2.44 ck	32.00 Wt 17.00 Com by Temp Wt 1 6.56 5 0.00 0 0.00 1 6.50 1111 Shots (/ft) 4 4 0	J-55 Grd 95&P1 nments Sur. Grd 0 L-80 0 L-80 1 L-80 1 Statu 0 0 L-80	Thd 8rd 8rd 1250.0
8 5/8 in Inter Csg. Casing String - Item (in) 5 1/2 in Prod. Csg. Casing Cement Casing String Surface Casing Intermediate Casin Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, ed) Date 10/15/96 Ce Perforations Date 10/24/96 11/22/96 12/4/96 Stimulations & Date Type	0.0 3724.0 Production Composition (ftKB) (fttKB) (ftt	Amoun (sx) 33 13 13 19 Jnts) 0 23 0 0 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.921 ID 4.892 nt 110 7.75 160 175 160 170 4 2.44 2.87 4 2.44 0.00 0.00 2.44 ck	32.00 Wt 17.00 Com by Temp Wt 1 6.56 5 0.00 0 0.00 1 6.50 1111 Shots (/ft) 4 4 0	J-55 Grd 95&P1 nments Sur. Grd 0 L-80 0 L-80 1 L-80 1 Statu 0 0 L-80	Thd 8rd 8rd 1250.0

WELL HISTORY

WELL NAME: JAMES RANCH UNIT #76

FIELD NAME: LOS MEDANOS

LOCATION: 1900' FNL & 360' FWL, Sec. 6, T23S, R31E, Unit E

Eddy County, New Mexico

ELEV: 3299' GL, 3311' KB

SPUD DATE: 9/29/96, RR 10/15/96

COMP DATE: 10/23/96

ORIG TD: 11,250'

ORIG PBTD: 11,176'

CASING: 11 %", H-40, 42#, CSA 582', cmt. w/310 sxs, cmt circ. 14 %" hole 0-595'.

8 5/8", J-55, 32#, CSA 3724, cmt. w/975 sxs, cmt circ. 11' hole 595-3727'. 5 ½", CF95 & P-110, 17#, CSA 11,250', cmt w/1360 sxs, TOC 3150' by temp sur.

7 7/8" hole 3724-11,250'.

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

DST: None

CORES & LOGS: DIGL-GR 10/13/96 3700-11,239'

SDL-DSN 10/13/96 200-11,239'

INITIAL COMPLETION

10/24/96 TO 10-25/96 PERF & FRAC 11,122-11,137 (WOLFCAMP)

Ran correlation log, tagged PBTD @ 11,176'.

10/24/96 Perf 11,122-11,137', 4 JSPF-0° phased. Frac 11,122-11,137' w/61,000

gals. Medallion frac 3000 w/151,000#, 16/30 Ac-Frac Black sand.

Flowed well. Turn to battery.

IP: 10/29/96 F 81 BO, 162 MCF, 27 BW on 16/64" ck.

WORKOVER:

11/20/96 TO 12/19/96 PERF & FRAC 9805-15' (SECOND BONE SPRING) & PERF 7492-7660' (OA) (DELAWARE).

Ran flowing BHP. Set CIPB @ 10,000'. Ran CCL-CBL.

11/22/96 Perf 9805-15' w/4 JSPF, 90° phased (Second Bone Spring) . Acidized

9805-15' w/1500 gals FE acid + 60 BS. Pumped @ 4.2 BPM w/3600 psig. Balled out @ 6300 psig. ATP 3800# @ 5 BPM. ISIP 2600 psig, 5 min 2600 psig, 10 min 2610 psig, 15 min 2625 psig. Flowed & swabbed well. CIBP leaking. Kill well, set 2^{nd} CIBP @ 9994' w/10'

cmt on top. Swab well..

12/4/96 Set CIPB @ 7800'. Perf 7492, 94, 96, 98, 7500, 44, 46, 48, 50, 52, 54, 7654, 56, 58, 59, 60' w/lJSPF (Delaware). Acidized same w/1500

gals 15% HCL + 30 BS. Balled off @ 5400 psig. Flowed back well. **DO CIPB** @ 7800', TIH to 9930'. Set Baker pkr @ 9621'. **Frac** 9805-15' w/9,000 gals Spectra Frac G-4000 + 57,000# 20/40 Ottawa sand...

Flow back well, turned to battery. AWO: 12/22/96 F 22 BO, 52 MCF, 6 BLW.

Well History James Ranch Unit #76 Page 2 of 2

WORKOVER

1/14/97 to 1/17/97

Rel. Pkr @ 9621'. Ran rods & pump, set PU. Placed well on pump.

2/18/97 to 2/22/97 FRAC 7492-7660' (DELAWARE)

Set CIPB @ 8000' w/10' cmt on top. Frac 7492-7660' w/33,000 gals Spectra Frac G-3000 + 77,000# 16/30 Brady sand + 18,000# 16/30 Super LC RCS. Swabbed & flowed well back. Tagged sand fill @ 7778' KB (Delaware perfs @ 7492-7660') Ran rods & pump, placed well on production.

AWO: 3/10/97 68 BO, 80 MCF, 97 BW.

4/10/97 to 4/16/97 DO CIPB's & COMMINGLE ALL ZONES

DO CIBP @ 8,000', DO CIBP @ 9994' & 10,000'. Well flowing Wolfcamp gas, would not die. CO to PBTD @ 11,175. Kill well w/50 bbls produced wtr. Run tbg, rods & pump. Placed well on prod. AWO: 4/19/97 53 BO, 98 MCF, 100 BW.

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

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

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

DISTRICT III
1000 Rio Brazos Rd. Aztec, NM 87410

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

AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number			2 Poul Code		1 Pool						
30 015	29173		40295		Lo	s Medanos	Bone Sp	rin	ıg		
* Property Co.	de	3 Property N	ams							* Well Numbe	.r
4060				JAME	S R	ANCH UNI	IT			76	•
'OGRID No.		* Operator N								* Elevation	
7377			EN	IRON O	IL &	GAS CO	MPANY		·	329	B.
<u> </u>			16	SURFA	CE I	LOCATION					
UL or lot no.	Section	Township	Range	Lot	Ida F	est from the	North/South	line	Peet from the	East/West line	County
E	6	23 SOUTH	31 EAST, N.M.	P.M.		1900'	NORTH		360'	WEST	EDDY
		"BOTTO	M HOLE LO	CATION	IF	DIFFEREN	YT FROM	Sī	JRFACE		
UL or lot De.	Section	Township	Range	Lot	Ida. F	est from the	North/South	line	Feet from the	East/West line	County
							Í			-	
" Dedicated Ac	cres 13 Jo	int or Infill	" Consolidation Co	de 15 Or	der No).				***************************************	
40							***				
			CLL BE ASSIGNE OR A NON-ST.								
"								7	OPERATO:	R CERTIFIC	ATION
		į	į			Ì		11		ily that the int	
		i	į			į		11	contained here	ein is true and	complete
			i			ļ			to the best of	my knowledge d	and belief.
									Physiture	٧٠.٨٥	
1900		i				1			Printed Name	Xilo	<u> </u>
		ļ	1			!			Betty	don	
		·- -							Title		
	•	i	i			l I			Regula	tory Analy	st
{ }		i	1			1		ΙГ	5/21/9	7	
1 1		ŀ	1			I		-	3/21/3	, 	
						j		15	•	·	
360			į			i .		11	SURVEYOR	R CERTIFICA	MOLLY
		į	į			1		11	I hereby co	ertify that th	he well
L		_ <u>i</u>	<u>i</u>	_		_ i			location sho	wn on this p	lat was
		1				}		11		lield notes of de by me or	
		i				1				sion, and th	
		1 .	1			i				e and correct	to the
		1	1						best of my	Dellel.	
		!	!			!		1-	Date of Survey		
		! !								Y 1, 1996	
		1 .	£ 1						Signature of the	SEED CO	
			<u> </u>					11	ALE OF	ME	į
	*	•	<u> </u>			1			& Sillipoor	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
1		1	1			1			# * X.)	YNN **	\ !
1		1	t			1		1 1	H / T / Z	/	4 1

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

-	_;		•		
	Essire	ر ب		7: 164	: :
					· ·
	್ಷೀಕ್ಷ	4225	£DC	ندجعد	S=.

SHADEY	MOTICES	AND	PEDCETS	ON WELLS	
301107.	17011023	~	- FEFURIS	U.1 11 =	

	SUBMIT IN TRIPLICATE SUBMIT IN TRIPLICATE		NM G2887D
SUBMIT IN TRIPLICATE SUBMIT IN TRIPLICATE SUBMIT IN TRIPLICATE SUBMIT IN TRIPLICATE SUBMIT IN TRIPLICATE SUBMIT IN TRIPLICATE 1. WE New Loc No. 1. Submit Loc No. 1. WE New Loc No. 1. Submit Loc	SUBMIT IN TRIPLICATE SUBMIT IN TRIPLICATE	or use this form for proposals to crill or to deepen or reentry to a different reservoir.	i. If boun, Allenes of Thre Name
See See	Second S		7. If Control CA, Aprenton Designation
James Ranch Unit #76 Intro 0.1 & Gas Company Inter 1. No. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	James Ranch Unit #76 No. AP Well No. To Coll & Gas Company To AP Well No. Dox 2267, Midland, Texas 79702 (915) 686-3714 See Bollow 1900' FNL & 360' FML See 6, T235, R31E CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION TYPE OF ACTION Assembledon Putting Back	Dil program Cas program (1997)	1. Well Name and No.
36 015 29173 O. BOX 2267, Midland, Texas 79702 (915) 686-3714 O. BOX 2267, Midland, Texas 79702 (915) 686-3714 See 6. Wall foreurs, Sat. T. M. M. or Survey Education 1900' FNL & 360' FWL Sec 6, T235, R31E CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Note: stitutes Administration Note: Stitutes Administration Administration Note: Stitutes Administration Note: Stitutes Administration Administration Note: Stitutes Administration Administration Note: Stitutes Administration Note: Stitutes Administration Note: Stitutes Administration Note: Stitutes Administration Note: Stitutes Administration Note: Stitutes Administration Note: Stitutes Administration Note: Stitutes Administration Note: Stitutes Administration Note: Stitutes Note: Stit	30 015 29173 O. Box 2267, Midland, Texas 79702 (915) 686-3714 O. Sox 2267, Midland, Texas 79702 (915) 686-3714 See below 1900' FNL & 360' FWL See 6, T235, R31E CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION Associations Associations See below Priging Basic Chief Advisor Price is a server below to the server of th		James Ranch Unit #76
O. Box 2267, Midland, Texas 79702 (915) 686-3714 O. Box 2267, Midland, Texas 79702 (915) 686-3714 O. Box 2267, Midland, Texas 79702 (915) 686-3714 O. Box 2267, Midland, Texas 79702 (915) 686-3714 See below See below See below Eddy County, NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION Note Situate Associations Putting Part Putting Part Putting Part Dispars With Dispars With Dispars With Note Constructed on Indicated a Control of Part Note Constructed on Indicated a Control of Part Note Constructed on Indicated a Control of Part Note Construction on Indicated a Control of Part Note Construction on Indicated a Control of Part Note Construction on Indicated a Control of Part Note Construction on Indicated a Control of Part Note Construction on Indicated a Control of Part Note Construction on Indicated a Control of Part Note Construction on Indicated a Control of Part Note Construction on Indicated a Control of Part Note Construction on Indicated a Control of Part Note Construction on Indicated a Control of Part Note Construction on Indicated a Control of Part Note Construction on Indicated a Control of Part Note Construction on Indicated a Control of Part Note Construction on Indicated a Control of Part Note Construction on Indicated According to Indicated a Control of Part Note Construction on Indicated According to Indi	O. Box 2267, Midland, Texas 79702 (915) 686-3714 1000' FNL 6 360' FNL See 6, T235, R31E CHECK AFPROPRIATE SOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Nonce of interest Association from the state of th		
See below 1900' FNL & 360' FWL Sec 6, T23S, R31E CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION Nonce of incer Administration Appropriate Security Appropriate Securit	See below 1900' FNL & 360' FWL Sec 6, T235, R31E CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Newer of instances Association for multiple Purpling Burk! Purpling Burk Purpl		
1900' FNL & 360' FWL Sec 6, T23S, R31E CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION Name: sylman: Appropriate Report Preging Basi Appropriate Companies Notice Preging Basi Appropriate Companies Companies (Cleany said Superior Security Companies of Preging Appropriate Security Companies of Preging Appropriate Security Companies of Submissions and Measurement And True variable depths for all markets and sames performe and or starting by preposed were, if well a simulation of Propriate Companies Appropriate Security Companies Appropriate Security Companies Appropriate Security	1900' FNL & 360' FWL Sec 6, T235, R31E CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION None: stitutes Administration		
Eddy County, NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION None; stituen Appropriate Section Purging Basis Appropriate Coding Coder Purging Basis Appropriate Coding Coder Purging Basis Appropriate Coding Coder	Sec 6, T23S, R31E CHECK APPROFRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION Next at items Associations Preside a part of Plans Conversion to Significate Construct Construct Construct Construction Preside a part of Management and the relief depth for all nevers and construct to the work." Field and Pool: EOG is currently working on an Application for Multiple Comple Quahada Ridge Delaware (perfs 7494-7660) Los Medanos Bone Spring (perfs 9805-9815) South Los Medanos Wolfcamp (perfs 11122-11137) 4-11-97 - Drilled out CIBF at 8000' 4-12-97 - Drilled CIPB's at 9994' and 10000' - Drilled to 11138'. Set 2-1/2" x 1-1/4" x 24' x 27' x 30' RHDC pumping united to 1138'. Set 2-1/2" x 1-1/4" x 24' x 27' x 30' RHDC pumping united to 1138'. RECURRENCY OF THE PROPERTY OF THE P	·	
TYPE OF SUBMISSION Name: situate Association Associ	TYPE OF SUBMISSION Nonce of Plans Administration Nonce of Plans Nonce of Plans Non-Construction	- ··-	•
Association of Plans Non-Recomment Change of Plans	Association Camping of Plaza Subsequent Amount Camping of Plaza Subsequent Amount Subsequent Amount Subsequent Amount Subsequent Amount Subsequent Amount Subsequent Amount Subseque	CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPOR	IT, OR OTHER DATA
Removision Remov	Resembletion New Consequence New Consequen	TYPE OF ACTION	
Casing Report Asserting Coding Asserting Coding Conversion to Injection Conversion to Inject	Casing Republing Casing	☐ 3 ==== letion	
Allering Callet Convertion to Imperior Dispersion to Imperior D	America Casina Convertion to Injection Dispert Western		
The property of Computer Operations (Clearly solid disconsist dentition to prespect assets, but prespect assets, but prespect assets, but the property assets assets of starting any proposed work, if well is demandally artified. Field and Pool: EOG is currently working on an Application for Multiple Complete Quahada Ridge Delaware (perfs 7494-7660) Los Medanos Bone Spring (perfs 9805-9815) South Los Medanos Wolfcamp (perfs 11122-11137) 4-11-97 - Drilled out CIBF at 8000' 4-12-97 - Drilled CIPB's at 9994' and 10000' - Drilled to 11138'. Regulatory Analyst Set 2-1/2" x 1-1/4" x 24' x 27' x 30' RHDC pumping unit CAS Set 2-1/2" x 30' RHDC pumping unit CAS Set 2-1/2" x 30' RHDC pumping unit CAS Set 2-1/2" x 30' RHDC pumping unit CAS Set 2-1/2" x 30' RHDC pumping unit CAS Set 2-1	Dispose Wester Dispose Wester		
Photo Secretarian Market States and Large Secretaria Committee Com	Composed of Commence Operations (Clearly taste di servent details, and pro permenti estat, relations automated date of statems, try proposed with a final and and provided despite for all markets and accordance and our control despite for all markets are tames perform to tail work.) Field and Pool: EOG is currently working on an Application for Multiple Comple Quahada Ridge Delaware (perfs 7494-7660) Los Medanos Bone Spring (perfs 9805-9815) South Los Medanos Wolfcamp (perfs 11122-11137) 4-11-97 - Drilled out CIBF at 8000' 4-12-97 - Drilled CIPB's at 9994' and 10000' - Drilled to 11138'. Reg. 23		
Field and Pool: EOG is currently working on an Application for Multiple Comple Quahada Ridge Delaware (perfs 7494-7660) Los Medanos Bone Spring (perfs 9805-9815) South Los Medanos Wolfcamp (perfs 11122-11137) 4-11-97 - Drilled our CIBF at 8000' 4-12-97 - Drilled CIPB's at 9994' and 10000' - Drilled to 11138'. POP Set 2-1/2" x 1-1/4" x 24' x 27' x 30' RHDC pumping unit CRA Set 2-1/2" x 1-1/4" x 24' x 27' x 30' RHDC pump	Friedd and Pool: EOG is currently working on an Application for Multiple Comple Quahada Ridge Delaware (perfs 7494-7660) Los Medanos Bone Spring (perfs 9805-9815) South Los Medanos Wolfcamp (perfs 11122-11137) 4-11-97 - Drilled out CIBF at 8000' 4-12-97 - Drilled CIPB's at 9994' and 10000' - Drilled to 11138'. Reg 4-15-97 - 2-7/8" tubing set at 11005' Set 2-1/2" x 1-1/4" x 24' x 27' x 30' RHDC pumping united at 22 A Drilled Out CIBF. 4-16-97 - Well on line. 4-26-97 - 24 hrs pumping 102 MCFD, 51 BOPD, LP 31, FTP 100, CP 50, 159 BWPD. Betty Cildon: Regulatory Analyst 5/21/97		. —
Field and Pool: EOG is currently working on an Application for Multiple Comple Quahada Ridge Delaware (perfs 7494-7660) Los Medanos Bone Spring (perfs 9805-9815) South Los Medanos Wolfcamp (perfs 11122-11137) 4-11-97 - Drilled out CIBF at 8000' 4-12-97 - Drilled CIPB's at 9994' and 10000' - Drilled to 11138'. 4-15-97 - 2-7/8" tubing set at 11005' Set 2-1/2" x 1-1/4" x 24' x 27' x 30' RHDC pumping unit COMPAN APPLICATIO	Field and Pool: EOG is currently working on an Application for Multiple Comple Quahada Ridge Delaware (perfs 7494-7660) Los Medanos Bone Spring (perfs 9805-9815) South Los Medanos Wolfcamp (perfs 11122-11137) 4-11-97 - Drilled out CIBF at 8000' 4-12-97 - Drilled CIPB's at 9994' and 10000' - Drilled to 11138'. REC 4-15-97 - 2-7/8" tubing set at 11005' Set 2-1/2" x 1-1/4" x 24' x 27' x 30' RHDC pumping unit COMPANY 4-16-97 - Well on line. 4-26-97 - 24 hrs pumping 102 MCFD, 51 BOPD, LP 31, FTP 106, CP 50, 159 BWPD. Betty Gildon: Regulatory Analyst 5/21/97	י. מה היותר זה לו לו היותר מונים ובמושים השתיים ביון היותר של שתייפות של אוני (כובים) במושים לא היותר ביותר של הי	
Betty Gildon: Regulatory Analyst 5/21/97	Betty Gildon: Regulatory Analyst 5/21/97	Field and Pool: EOG is currently working on an Appli Quahada Ridge Delaware (perfs 7494-7660) Los Medanos Bone Spring (perfs 9805-9815) South Los Medanos Wolfcamp (perfs 11122-11137) 4-11-97 - Drilled out CIBF at 8000'	MAY 2 8 1997 Suburu See BLM SEE
	ett da færi. Djag ellig og:		00, CP 50, 159 BWPD. & Roswi
	entre de la companya de la companya de la companya de la companya de la companya de la companya de la companya La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co		<u>5/21/97</u>

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OPERATOR'S CORY SPROVED

NM 02887D

SUNDRY MOTICES AND REPORTS ON WELLS i. If bana. Allene or lass bane ould use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals 7. If Unit of CA, Agracian Deligations SUBMIT IN TRIPLICATE your of Wat 1. Well Name and No. of Operator James Ranch Unit #76 Enron Oil & Gas Company 9. API Well No. 30 015 29173 . O. Box 2267, Midland, Texas 79702 (915) 686-3714 10. Fine wa foot, or Exploratory Arm ocanon of Well (Focusts, Sec., T., R., M., or Survey Description) Quahada Ridge Delaware 11. County or Parish, State 1900' FNL & 360' FWL Sec 6, T23S, R31E Eddy County, NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Nonez of laws: Change of Place ACCEPTED FOR REPORTED A New Constitution Subsecum Asson Non-Rousing Francisco MAR 12 3 1997 Water Shut-Off Final Abendonment Nebic Conversion to Injection XX over PB from Wolfcamp more fravolus or Commente Operations (Clearly state all perturent densits, and give perturent dates, including estimated date of stating any proposed work, if well is informately emited, give substantial incators and measured and tree vertical degrees for all markets and annex perturent to this work.)* Wolfcamp Perfs 11122 to 11137 11/20/96 - CIBP at 10,000' 11/21/96 - Perforated Bone Spring 9805-9815 (40 .36") Acidized with 1500 gals FE acid 11/27/96 - Turned to production - Well dead on 11/29/96 11/29/96 - Set CIBP at 9994' + 10' cement on top 12/3/96 - CIBP @ 7800' - Perforated Delaware 7494-7660 (15 .36") Acidized - with 1500 gals 15% HCl acid 12/7/96 - Drilled to 9930' 12/9/96 - 2-7/8" tubing & packer at 9621' 12/20/96 - Put on line 12/22/96 - 24 hrs 41 MCF, 19 BO, 18/64", 40 FTP, 100 CP, 8 BW. (OVER) Gildon, 3/10/97 Regulatory Analyst Considere of egyptonic if Asy: SUBMIT WELL CONFLETION KEPURT FOK IN 3160" 4 U.S.C. Service 1031, makes it i entire for any person or: ingly and willfully to make to any department or agency of the United States may false, findings or fraudulent teatment

Analiani el la est sucre siliale la recessional

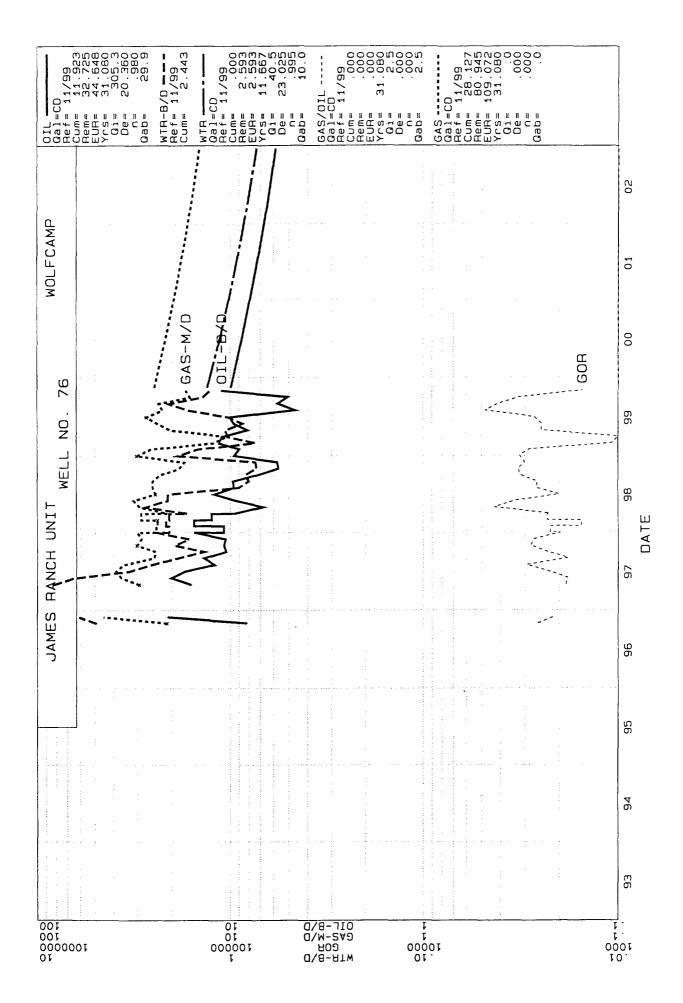
WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL JA	MES RANCH UNIT #76	FORMATION	WOLFCA	MP
OCATIONE UN	NIT, 1900 FEET FROM NORTH	LINE & 360	FEET FROM	WEST LIN
SECTION 6 TOWNSHIP	235 , RANGE 31E , COUNTY	EDDY		, NEW MEXICO
SPUD DATE 9/29/96 CC	OMPLETION DATE 10/23/96	_ INITIAL PRODUCTION	1	0/27/96
PERFORATIONS 11,122-37'			·	
STIMULATION:				1
ACID				
FRACTURE 11	,122-37', 61,000 GALS GEL + 151,000# 16/30) SAND		
	,		· · · · · · · · · · · · · · · · · · ·	······································
OTENTIAL 10/29/96 81 BOPD, 162 MG	CFPD, 27 BWPD	~		
POTENTIAL 10/29/96 81 BOPD, 162 MC Attach Copy of C-105. Attach Copy of Well		**************************************		
	bore Sketch of Completed Well.)			
		ATION		
	bore Sketch of Completed Well.) VOLUMETRIC CALCUL	SANDS NO	OT PERFORATED BU	ıt
	bore Sketch of Completed Well.)	SANDS NO	OT PERFORATED BU	ıт
Attach Copy of C-105. Attach Copy of Welli Area (A) proration unit size, acres	VOLUMETRIC CALCUL SANDS PERFORATED	SANDS NO		IT
Attach Copy of C-105. Attach Copy of Welli Area (A) proration unit size, acres Porosity (por), %	VOLUMETRIC CALCUL SANDS PERFORATED	SANDS NO		IT
Attach Copy of C-105. Attach Copy of Welli Area (A) proration unit size, acres Porosity (por), % Water saturation (Sw), %	VOLUMETRIC CALCUL SANDS PERFORATED 40 11.6%	SANDS NO		IT
Attach Copy of C-105. Attach Copy of Welli Area (A) proration unit size, acres Porosity (por), % Water saturation (Sw), % Net Thickness (h), ft.	VOLUMETRIC CALCUL SANDS PERFORATED 40 11.6% 42%	SANDS NO		IT
Attach Copy of C-105. Attach Copy of Welli Area (A) proration unit size, acres Porosity (por), % Water saturation (Sw), % Net Thickness (h), ft. Temperature (T), Fahrenheit	SANDS PERFORATED 40 11.6% 42% 17	SANDS NO		IT
Attach Copy of C-105. Attach Copy of Well	SANDS PERFORATED 40 11.6% 42% 17	SANDS NO		IT
Attach Copy of C-105. Attach Copy of Welli Area (A) proration unit size, acres Porosity (por), % Water saturation (Sw), % Net Thickness (h), ft. Temperature (T), Fahrenheit Bottom Hole pressure (P), psia	SANDS PERFORATED 40 11.6% 42% 17 170 6,010	SANDS NO		IIT
Attach Copy of C-105. Attach Copy of Welli Area (A) proration unit size, acres Porosity (por), % Water saturation (Sw), % Net Thickness (h), ft. Temperature (T), Fahrenheit Bottom Hole pressure (P), psia Recovery factor (RF), %	SANDS PERFORATED 40 11.6% 42% 17 170 6,010 27% 69,041	SANDS NO		IT

PERFORMANCE DATA

(If sufficient history exists,	, attach plot of oil production ra	ite v time.)			
CUMULATIVE PRODUC	TION TO	11/1/99_;	11923 BBLS		
INITIAL RATE (qi)	-		305		
ECONOMIC LIMIT (ql)	<u>.</u>	·	30		
DECLINE RATE, dy	<u>-</u>	Hyperbolic	c d = 20.36% n = .98		
REMAINING OIL (Q) =	_		24077		
ULTIMATE RECOVERAL	BLE OIL _		36000		
(Attach plat showing pror.	ation unit and participating area	.)			
		ECOI	NOMIC		
WELL COST \$	825,000 (to the depth	of formation completed)			
RECOMPLETION COST	\$				
TOTAL COST \$	825,000				
YEAR	GROSS OIL	REVENUE	OPERATING COST	10% NET BFIT DISCOUNTED CASH FLOW	
ZERO	0	0	0	-825,000	
1	900	20,900	5,100	15,600	
2	3,900	85,300	20,600	60,100	
3	4,000	64,100	19,100	37,800	
4	3,000	62,200	18,900	32,900	F
5	3,100	81,400	20,300	42,000	
6	2,700	60,100	18,800	25,700	
7	2,300	48,500	17,900	17,200	
8	2,000	40,600	17,400	11,900	
9	1,800	36,000	17,000	8,800	
10	1,600	32,400	16,800	6,600	
REMAINDER	10,900	221,100	164,000	17,100	



DATE TIME DBS FILE

DATE : 02/07/00 TIME : 13:33:07 DBS FILE : JRUPA SETUP FILE : CD 22.260 20.740 14.430 19.250 24.940 20.670 19.200 18.180 2.610 2.590 2.110 2.270 2.600 2.580 2.570 .071 18.130 2.570 .002 EFF. DECL INIT. RATE FINAL RATE 1.000 1.000 .125 1190.000 .125 67. . 10 13 CALCULATED DATA SEQ NUMBER 16.880 22.260 20.740 114.430 19.250 24.940 20.670 19.200 19.200 18.180 1.890 1.940 2.610 2.590 2.110 2.270 2.270 2.580 .071 -.130 .002 1.000 1.000 .125 .125 1190.000 -.910 305. 41. 20.36 23.02 3/15 11/30 11/30 11/30 12/97 12/98 12/00 12/01 12/03 11/30 11/30 9/96 12/96 12/97 12/98 12/00 12/01 11/30 11/30 11/30 11/30 11/30 12/96 6/11 11/30 11/30 11/30 11/30 11/30 LAST 36.029 2.593 ULTIMATE 20.36 00. 00. H/0.995 23.02 00. 00. 00. 00 00. 00. TIME PROCEDURE H/0.980 EXP FLAT FLAT FLAT FLAT FLAT FLAT LIN 22222222 SCHEDULE UNTIL MM/YY
AD
AD
AD
AD
AD
AD
AD
AD
AD
AD LIFE LIFE LIFE LIFE LIFE LIFE LIFE LIFE LIFE INPUT DATA 04/2015 AD 8.62 IMU 2.59 IMU 01/2097 AD 1/95 1/96 1/97 1/99 1/2000 1/2002 1/2003 1/2003 1/95 1/96 1/97 1/98 1/99 1/2000 1/2001 ဥ 2 2 ဥ 55 ဥ 2 5 J. ဥ္ -.9100 \$/B -.1300 \$/M B/M B/M M/B B/R ₩/\$ 2.47 SCHEDULING RATES × Д Ω Q Д 00 ×××××××××× ***** × ×× 16.8800 18.39 22.26 20.74 14.43 19.25 20.67 19.06 19.18 -.9100 12.5000 1.94 2.61 2.59 2.11 2.27 2.60 2.60 2.58 7.08 305.27 66.71 2.47 .17 .0000 40.54 1.8900 1190.00 100.0000 12.5000 100.000 10/96 11/99 531 PRI/GAS 532 " 533 " 534 " 535 " 537 " 549 STX/OIL 554 STX/GAS 564 PRI/OIL 569 PRI/GAS 740 LSE/RIG 760 LSE/ORR 420 GAS/OIL PRI/OIL 720 LSE/RIC 701 OWN/WI 700 LSE/WI 721 OWN/RI 544 OPC/T 405 START 430 START 410 OIL 415 " 559 ATX 425 WTR 538 # ITEM

516 1 518 518 518 518 520 521 523 523 524 525 526

	E i	A 1	: : :
	FINAL RATE	ESC. T&I&R 825.0 -33.0	
	INIT. RATE	TOT. T&I&R	!
			1
	BFF. DECL	RISK INV.	8
11/30	LAST 2/00 2/00 2/00	MONTH 10/96 11/30	OTHER QUAL :
	ULTIMATE 12.256 28.636 2.443	TOTAL T&I	ED O
00.	())) ()	365. CD
FLAT	PROCEDURE	PROCEDURE	CUML, MB *600 DISC. FREQUENCY : 365.
LIFE	UNTIL	AD	2 1*600 DISC.
TO	SCHEDULE UNTIL	TIME 10/96 TO	28.13 28.13 1*3 38*12 1*600 10.0 DISC.
de.	 	TANGIBLES 00 M\$G 00 M\$G	CUMG, MMF FRAMES : AGE :
Ω	RATES	& INTANGIB:	CUMG TIME FRAMI PW 4-AGE PROD QUAL
. 0000	SCHEDULING RATES P.OIL OIL # P.GAS GAS # P.WATER WTR #	TANGIBLES & INTANGIBLES	DTIONS 10,96 10,96 10,96 10,96
761 OWN/ORR	OVERLAYS 905 LOAD P 910 LOAD P 915 LOAD P	INVESTMENT TANG 	201 LOSS NO 205 CUMO, MB 11.5 PROJECT ASSUMPTIONS BASE DATE : 10/96 P.W. DATE : 10/96

: 02/07/00 DATE

¥.

										F Z Z Z	TIME DBS FILE SETUP FILE SEQ NUMBER	: 13: : JRU : CD	33:07 PA 13
			ਨ ਜ ਨ	ERVE EFFEC	VES AND EFFECTIVE DATE	E C	M O N O	I C S					; ;
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	19.6 YR TOTAL
OWNERSHIP 1) WORKING INTEREST, \$ 2) REVENUE INTEREST, \$	\$ 100.000 \$ 87.500	100.000	100.000	100.000	100.000 87.500	100.000	100.000 87.500	100.000	100.000	100.000	100.000	100.000	100.000
INVESTMENTS, M\$ 1. SORROWED CAPITAL 4) EQUITY INVESTMENTS 5) RISK 7) TOTAL	.0 825.0 .0 825.0	• • • •	0000	0.0.0.	0.000	0.0.0.0			0.0.0.			.033.0	.0 792.0 .0
OIL PHASE 8) GROSS OIL, MB 9) NET OIL, MB 10) OIL REVENUE, M\$ 11) OIL PRICE, \$/B	.9 .8 .16.5 21.35	3.9 3.4 67.0 19.83	4.0 3.5 47.9 13.52	3.0 2.6 47.7 18.34	3.1 2.7 65.2 24.03	2.3 46.0 19.76	2.3 2.0 36.5	2.0 1.7 30.1	1.8 1.5 26.7 17.22	1.6 1.4 24.0 17.22	25.2 22.0 407.6 18.51	10.9 9.5 163.7 17.22	36.0 31.5 571.3
GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, NMF 14) GAS REVENUE, M\$ 15) GAS PRICE, \$/MCF	2.0 1.8 4.4 4.480	.,	-	N	7.5 6.5 16.1 2.470	6.6 5.8 14.1 2.450		4.9 4.3 10.5 2.440	~	2 8 9 4 4 . 0	60.6 53.0 124.0 2.339	26.9 23.5 57.4 2.440	87.4 76.5 181.3 2.370
WATER PHASE	 	6.000.		4	. 000	0.000.	0000	0.00.	0.000.	0.00	2.6	0.000.	2.6
ECONOMICS, M\$	20.9		64.1 4.7		81.4 5.9	60.1 4.4	48.5 3.5	40.6 3.0	36.0 2.6	32.4 2.4	531.6 38.7 .8	221.1 16.1	752.7 54.8 1.2
23) - OPERATING COSTS 24) - SWD 25) - CABITAL REPAYMENT 26) - INTEREST PAID 27) + NPI OWNED - PAID 28) = NET INCOME 29) - INVESTMENTS & RSK 30) = BFIT NET	80.7	14.3 .0 .0 .0 .0 .0 .0 .0 .7 .4 .7	14.3 .0 .0 .0 .0 45.0 45.0	14 43 43	14.3 .0 .0 .0 .0 .0 .61.11 .0	14.3 .0 .0 .0 .0 .41.3 41.3	H 14	14.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	14.3 .0 .0 .0 .0 .19.1 19.1	14.3 .0 .0 .0 .15.7	132.1 .0 .0 .0 .0 .359.9 .825.0	147.6 .0 .0 .0 .57.0 -33.0	279.7 .0 .0 .0 .417.0 .375.0
PRESENT WORTH @ 10.00 % 11. NET INCOME 12.) INVESTMENTS & RISK 13.) BFIT NET 14.) CUM BFIT NET		60 60 -749	37.8 .0 37.8 -711.6	32. 32. -678.	42.0 .0 42.0 -636.6	25.7 .0 25.7 -610.9	17 17 -593		8.8 .0 .8 8.8	6.6 .0 6.6	258.5 825.0 -566.5	17.1 -4.7 21.8 -544.7	

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

AFTER TAX ECONOMICS

				EFFEC	EFFECTIVE DATE	3: 10/96							2
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	TOTAL
ENT OF INV	(ENTS, M\$												
1) EXP, RISK & CAP INT	495.0	°.	٥.	0.	0.	٥.	0.	0.	0.	٥.	495.0	0.	495.0
	0.	٥.	0.	٥.	٥.	0.	٥.	٥.	٥.	٥.	0.	0.	٥.
3) DEPRECIABLE	330.0	0.	٥.	0.	٥.	٥.	٥.	٥.	0.	0.	330.0	-33.0	297.0
TAX CALCULATIONS, M\$													
4) GROSS REV. TO INTR.	20.9	85.3	64.1	62.2	81.4	60.1	48.5	40.6	36.0	32.4	531,6	221.1	752.7
	1.5	6.2	4.7	4.5	5.9	4.4	3.5	3.0	2.6	2.4	38.7	16.1	54.8
6) - WPT TAX NET	٥.	٥.	0.	0.	٥.	0,	٥.	0.	٥.	٥.	0.	0.	0.
٠	3.6	14.4	14.4	14.4	14.4	14.4	14.4	14.3	14.3	14.3	132.9	147.9	280.8
+	0.	٥.	٥.	٥.	0.	0.	0.	٥.	°.	٥.	٥.	°.	0.
i	٥.	٥.	٥.	٥.	۰.	0.	٥.	٥.	٥.	٥.	٥.	0.	0.
١	495.0	0.	0.	٥.	٥.	٥.	٥.	٥.	٥.	٥.	495.0	0.	495.0
ı	11.8	55.5	75.0	53.6	38.3	29.5	29.5	29.5	7.4	٥.	330.0	٥.	330.0
Ħ	-491.0	9.5	-30.0	-10.3	22.8	11.9	1.1	-6.1	11.7	15.7	-465.1	57.0	-408.0
1	٥.	٥.	٥.	۰.	0.	0.	0.	٥.	٥.	۰.	0.	0.	0.
•	۰.	٥.	٥.	٥.	٥.	٥.	٥.	٥.	0.	٥.	٥.	0.	0.
×	-491.0	9.5	-30.0	-10.3	22.8	11.9	1.1	-6.1	11.7	15.7	-465.1	57.0	-408.0
* TAX	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
٠	٥.	٥.	٥.	٥.	٥.	٥.	0.	٥.	٥.	0.	0.	0.	٥.
٠	0.	0.	٥.	0.	٥.	٥.	0.	٥.	٥.	0.	٥.	0.	٥.
19) = F.I.T.	-171.9	э.2	-10.5	-3.6	8.0	4.2	4.	-2.1	4.1	5.5	-162.8	20.0	-142.8
20) REVENUE-SEV-WPT	19.4	79.1	59.4	57.7	75.5	55.7	45.0	37.7	33.4	30.0	492.9	205.0	697.8
	3.6	14.4	14.4	14.4	14.4	14.4	14.4	14.3	14.3	14.3	132.9	147.9	280.8
+	٥.	0.	٥.	٥.	0.	٥.	٥.	٥.	٥.	°.	٥.	0.	0.
1	-171.9	3.5	-10.5	-3.6	8.0	4.2	4	-2.1	4.1	5.5	-162.8	20.0	-142.8
11	187.6	61.5	55.5	46.9	53.1	37.2	30.2	25.5	15.0	10.2	522.7	37.1	559.8
ŀ	٥.	٥.	0.	٥.	0.	٥.	٥.	0.	0.	0.	0.	0.	0.
٠	٥.	٥.	0.	٥.	0.	0.	0.	٥.	0.	٥.	٥.	٥.	0.
R	187.6	61.5	55.5	46.9	53.1	37.2	30.2	25.5	15.0	10.2	522.7	37.1	559.8
ı	825.0	٥.	٥.	٥.	٥.	٥.	0,	٥.	٥.	٥.	825.0	-33.0	792.0
29) = A.F.I.T. NET	-637.4	61.5	55.5	46.9	53.1	37.2	30.2	25.5	15.0	10.2	-302.3	70.1	-232.2
PRESENT WORTH @ 10,00 %													
	!	1		,									
	185.3	57.1	46.6	35.6	36.5	23.1	17.0		6.9	4.3	425.5	11.1	436.6
	825.0	·	٥.	0.	0.	٥.	0.		٥.	0.	825.0	-4.7	820.3
	-639.7	57.1	46.6	35.6	36.5	23.1	17.0		6.9	4.3	-399.5	15.8	-383.7
33) CUM. A.F.I.T. NET	-639.7	-582.6	-536.0	-500.3	-463.8	-440.7	-423.7	-410.7	-403.8	-399.5	-399.5	-383.7	-383.7

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

ECONOMIC INDICATORS

AS OF DATE: 10/96

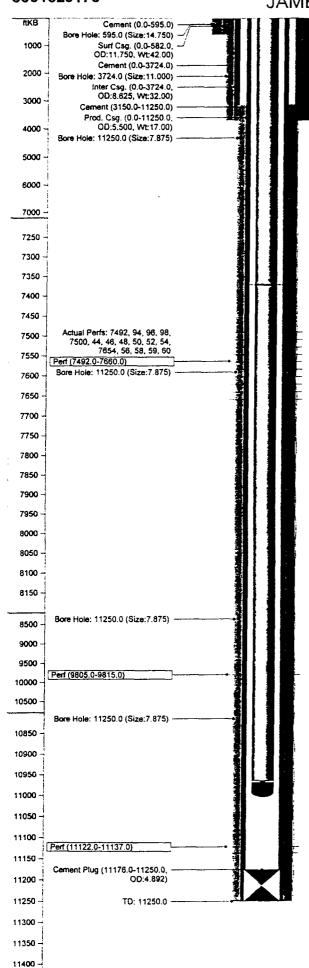
A.F.I.T.	BONUS	MS
A.F.I.T.	WORTH	M\$
B.F.I.T.	WORTH	M\$

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

	-375,014	-232.209	-357.244
	-422.629	-274.222	-395.609
	-478.574	-323.964	-435.888
.9	-494.068	-337.852	-446.368
. 8	-521.387	-362.507	-464.347
10.	-544.691	-383.747	-479.328
	-623.508	-457.802	-529.661
	-668.824	-502.802	-560.023
40.	-698.120	-533.376	-580.841
	-718.454	-555.581	-596.076
09	-733.284	-572.493	-607.756
70.	-744.517	-585.863	-617.056
. 80.	-753,292	-596.762	-624.702
.06	-760.323	-605.877	-631,159
100.	-766.079	-613.662	-636.737
OF RETURN, PCT.	0.	0.	
UNDISCOUNTED PAYOUT, YRS.	19.58	19.58	
DISCOUNTED PAYOUT, YRS.	19.58	19.58	
UNDISCOUNTED NET/INVEST.	.53	.71	
DISCOUNTED NET/INVEST.	.34	.53	

Ĺ

11450



JAMES RANCH			
API No.	3001529173	Status	ACT OIL
TD	11250.0 ftKB	Engineer	GTL
PBTD	11176.0 ftKB		
Operator	BEPCO	Permit	
Well No.	76	Spud	9/29/96
ID Code		RR	10/15/96
Field	LOS MEDANOS	Completion	10/23/96
Author	RAS	Last Act.	
Date Updated	1/9/97	Abandoned	
Comments	Drilled by Enron		
Location			
Township	S023	Top Latitude	0
		Top Longitude	00
Range	E031	Top NS Distance	1900.0 ft N
		Top EW Distance	360.0 ft W
Section	6	Bottom Latitude	0
Unit Ltr.	E	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 Fing	0.0 ft
Grd		Tub Head	0.0 ft
KB-Grd	12.0 ft		
	Surface Casing		
Item	Top Btm Jr	nts ID Wt	Grd Thd
(in)`	(ftKB) (ftKB)		
11 3/4 in Surf	0.0 582.0	11.084 42.0	0 H-40
Csg.			i
Casing String -	Intermediate Ca	sina	
tem	Top Btm Jr		Grd Thd
(in)	(ftKB) (ftKB)		
3 5/8 in Inter Csg.	0.0 3724.0	7.921 32.0	D J-55
	Production Cas		0.000
tem		nts ID Wt	Grd Thd
		its ID Wit	Gra i ma
(in) 5 1/2 in Prod.	(ftKB) (ftKB) 0.0 1250.0	4.892 17.0	0.505.8.01
Csg.	0.0 1230.0	4.032 17.0	9301
Casing Cement			
Casing String		mount Co	mments
ozomg omng		*	
	THE HI	(SY)	
Surface Casing		(sx)	
Surface Casing ntermediate Casin	0.0	310	
ntermediate Casir	0.0 ng 0.0	310 375	np Sur.
ntermediate Casir Production Casing	0.0 ng 0.0 3150.0	310	np Sur.
ntermediate Casir Production Casing Tubing String -	0.0 ng 0.0 3150.0 Primary Tubing	310 375 1360 TOC by Ter	
ntermediate Casing Production Casing Fubing String - tem	0.0 0.0 3150.0 Primary Tubing Top Btm	310 375 1360 TOC by Ter	
ntermediate Casing Production Casing Fubing String - tem in)	0.0 ng 0.0 3150.0 Primary Tubing Top Btm (ftKB) (ftKB)	310 375 1360 TOC by Ter Jnts ID W	t Grd The
ntermediate Casing Production Casing Fubing String - tem in) 2 7/8 in Tbg.	0.0 ng 0.0 3150.0 Primary Tubing Top Btm (ftKB) (ftKB) 0.0 7371.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6.	t Grd Tha
ntermediate Casing Production Casing Fubing String - tem in) 27/8 in Tbg.	0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 2.875 0.	t Grd Tho 50 L-80 8rd
ntermediate Casing Production Casing Fubing String - tem in) 2.7/8 in Tbg. 1.57/64 in TAC 2.7/8 in Tbg.	0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 2.875 0. 114 2.441 6.	t Grd Tho 50 L-80 8rd 00 50 L-80 8rd
ntermediate Casing Froduction Casing Fubing String - tem in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg.	0.0 0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 2.875 0. 114 2.441 6. 0.000 0.	t Grd Thd 50 L-80 8rd 00 50 L-80 8rd
ntermediate Casing Fubing String - tem in) 2 7/8 in Tbg. 1 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN	0.0 0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 2.875 0. 114 2.441 6. 0.000 0. 0.000 0.	t Grd Tho 50 L-80 8rd 00 50 L-80 8rd 00 00
ntermediate Casing Froduction Casing Fubing String - tem in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN	0.0 0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 2.875 0. 0.000 0. 0.000 0. 2.441 6.	t Grd Thd 50 L-80 8rd 00 50 L-80 8rd
ntermediate Casing Froduction Casing Fubing String - tem in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, ea	0.0 0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 2.875 0. 0.000 0. 0.000 0. 2.441 6.	t Grd Thd 50 L-80 8rd 00 50 L-80 8rd 00 00 50 L-80 8rd
ntermediate Casing Froduction Casing Fubing String - tem in) 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN	0.0 0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 2.875 0. 0.000 0. 0.000 0. 2.441 6.	t Grd Thd 50 L-80 8rd 00 50 L-80 8rd 00 50 L-80 8rd 100 8rd
ntermediate Casing Froduction Casing Fubing String - tem in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, ea	0.0 0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 2.875 0. 0.000 0. 0.000 0. 2.441 6. Back Back	t Grd Thd 50 L-80 8rd 00 50 L-80 8rd 00 50 L-80 8rd 10t (ftKB)
ntermediate Casing Froduction Casing Fubing String - tem in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, ed Date 10/15/96 Ce	0.0 0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 2.875 0. 0.000 0. 0.000 0. 2.441 6. Back Back	t Grd Thd 50 L-80 8rd 00 50 L-80 8rd 00 50 L-80 8rd 100 8rd
ntermediate Casing Froduction Casing Fubing String - tem in) 2 7/8 in Tbg. 4 57/64 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, ed) Date 10/15/96 Ce Perforations	0.0 0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 2.875 0. 114 2.441 6. 0.000 0. 0.000 0. 2.441 6. JBack 11	t Grd Tha 50 L-80 8rd 00 50 L-80 8rd 00 50 L-80 8rd Int (ftKB) 176.0 - 11250.0
ntermediate Casing Froduction Casing Fubing String - tem in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, ed Date 10/15/96 Ce	0.0 0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 2.875 0. 114 2.441 6. 0.000 0. 0.000 0. 2.441 6.	t Grd Tha 50 L-80 8rd 00 50 L-80 8rd 00 50 L-80 8rd Int (ftKB) 176.0 - 11250.0
ntermediate Casing Froduction Casing Tubing String - tem in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN Date 10/15/96 Ce Perforations Date	0.0 0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 2.875 0. 0.000 0. 0.000 0. 0.000 0. 2.441 6. J Back 11 Shots (/ft)	t Grd Thd 50 L-80 8rd 00 50 L-80 8rd 00 50 L-80 8rd 10t (ftKB) 176.0 - 11250.0
ntermediate Casing Production Casing Tubing String - tem (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, ed Date 10/15/96 Ce Perforations Date 10/24/96	0.0 0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 2.875 0. 0.000 0. 0.000 0. 0.000 0. 2.441 6. J Back 11 Shots (/ft) 37.0	t Grd Thd 50 L-80 8rd 00 50 L-80 8rd 00 50 L-80 8rd Int (ftKB) 176.0 - 11250.0 Status
ntermediate Casing Production Casing Tubing String - tem (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, ed Date Date Date 10/15/96 Ce Perforations Date 10/24/96 11/22/96	0.0 10 10 10 10 10 10 10	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 0.000 0. 0.000 0. 2.441 6. J Back 11 Shots (/ft) 37.0 5.0	t Grd Thd 50 L-80 8rd 00 50 L-80 8rd 00 50 L-80 8rd Int (ftKB) 176.0 - 11250.0 Status
ntermediate Casing Froduction Casing Tubing String - tem (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, ed) Date 10/15/96 Ce Perforations Date 10/24/96 11/22/96 12/4/96	0.0 109	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 0.000 0. 0.000 0. 2.441 6. J Back 11 Shots (/ft) 37.0 5.0	t Grd Thd 50 L-80 8rd 00 50 L-80 8rd 00 50 L-80 8rd Int (ftKB) 176.0 - 11250.0 Status
Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, ed Date 10/15/96 Ce Perforations Date 10/24/96 11/22/96 12/4/96 Stimulations &	0.0 109 0.0 109 0.0 109 0.0 109 0.0 109	310 375 1360 TOC by Ter 1360 TOC by Ter 1360 TOC by Ter 134 2.441 6. 2.875 0. 0.000 0. 0.000 0. 2.441 6. 14 15 15 15 15 15 15 15	t Grd That 50 L-80 8rd 00 50 L-80 8rd 00 50 L-80 8rd 1nt (ftKB) 176.0 - 11250.0 Status 4.0: 4.0: 0.1
Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, ed) 10/15/96 Ce Perforations Date 10/24/96 11/22/96 12/4/96 Stimulations & Date Type	0.0 109 0.0 109 0.0 109 0.0 109 0.0 109	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 0.000 0. 0.000 0. 2.441 6. JBack 11 Shots (/ft) 37.0 5.0 0.00	t Grd Thd 50 L-80 8rd 00 50 L-80 8rd 00 50 L-80 8rd Int (ftKB) 176.0 - 11250.0 Status
Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in PS 2 7/8 in MA Other (plugs, ed Date 10/15/96 Ce Perforations Date 10/24/96 11/22/96 12/4/96 Stimulations &	0.0 0.0	310 375 1360 TOC by Ter 1360 TOC by Ter 1360 TOC by Ter 134 2.441 6. 2.875 0. 0.000 0. 0.000 0. 2.441 6. 14 15 15 15 15 15 15 15	t Grd That 50 L-80 8rd 00 50 L-80 8rd 00 50 L-80 8rd 1nt (ftKB) 176.0 - 11250.0 Status 4.0: 4.0: 0.1
Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, end Date 10/15/96 Ce Perforations Date 10/24/96 11/22/96 12/4/96 Stimulations & Date Type 0/26/96 Sand Frac	0.0 0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 0.000 0. 0.000 0. 0.000 0. 2.441 6. 6. 441 6. 6. 441 6. 6. 441 6. 6.	t Grd That 50 L-80 8rd 00 50 L-80 8rd 00 50 L-80 8rd 1nt (ftKB) 176.0 - 11250.0 Status 4.0: 4.0: 0.1
Intermediate Casing Production Casing Tubing String - Item (in) 2 7/8 in Tbg. 4 57/64 in TAC 2 7/8 in Tbg. 2 7/8 in SN 2 7/8 in SN 2 7/8 in MA Other (plugs, ed. Date 10/15/96 Ce Perforations Date 10/24/96 11/22/96 12/4/96 Stimulations & Date Type	0.0 0.0	310 375 1360 TOC by Ter Jnts ID W (in) 234 2.441 6. 2.875 0. 0.000 0. 0.000 0. 0.000 0. 2.441 6. Back 11 Shots (/ft) 37.0 5.0 0.0 Fluid Salar	t Grd That 50 L-80 8rd 00 50 L-80 8rd 00 50 L-80 8rd 1nt (ftKB) 176.0 - 11250.0 Status 4.0: 4.0: 0.1

WELL HISTORY

WELL NAME:

JAMES RANCH UNIT #76

FIELD NAME:

LOS MEDANOS

LOCATION:

1900' FNL & 360' FWL, Sec. 6, T23S, R31E, Unit E

Eddy County, New Mexico

ELEV:

3299' GL, 3311' KB

SPUD DATE:

9/29/96, RR 10/15/96

COMP DATE:

10/23/96

ORIG TD:

11,250'

ORIG PBTD:

11,176'

CASING:

11 4", H-40, 42#, CSA 582', cmt. w/310 sxs, cmt circ. 14 4" hole 0-595'. 8 5/8", J-55, 32#, CSA 3724, cmt. w/975 sxs, cmt circ. 11' hole 595-3727'. 5 $\frac{1}{2}$ ", CF95 & P-110, 17#, CSA 11,250', cmt w/1360 sxs, TOC 3150' by temp sur. 7 7/8" hole 3724-11,250'.

TUBING:

2 7/8", L-80, 6.5#, 8rd

DST:

None

CORES & LOGS:

DIGL-GR 10/13/96 3700-11,239' SDL-DSN 10/13/96 200-11,239'

INITIAL COMPLETION

10/24/96 TO 10-25/96 PERF & FRAC 11,122-11,137 (WOLFCAMP)

Ran correlation log, tagged PBTD @ 11,176'.

10/24/96

Perf 11,122-11,137', 4 $JSPF-0^{\circ}$ phased. Frac 11,122-11,137' w/61,000 gals. Medallion frac 3000 w/151,000#, 16/30 Ac-Frac Black sand. Flowed well. Turn to battery.

IP: 10/29/96 F 81 BO, 162 MCF, 27 BW on 16/64" ck.

WORKOVER:

11/20/96 TO 12/19/96 PERF & FRAC 9805-15' (SECOND BONE SPRING) & PERF 7492-7660' (OA) (DELAWARE).

Ran flowing BHP. Set CIPB @ 10,000'. Ran CCL-CBL.

11/22/96

Perf 9805-15' w/4 JSPF, 90° phased (Second Bone Spring) . Acidized 9805-15' w/1500 gals FE acid + 60 BS. Pumped @ 4.2 BPM w/3600 psig. Balled out @ 6300 psig. ATP 3800# @ 5 BPM. ISIP 2600 psig, 5 min 2600 psig, 10 min 2610 psig, 15 min 2625 psig. Flowed & swabbed well. CIBP leaking. Kill well, set 2^{nd} CIBP @ 9994' w/10' cmt on top. Swab well.

12/4/96

Set CIPB @ 7800'. Perf 7492, 94, 96, 98, 7500, 44, 46, 48, 50, 52, 54, 7654, 56, 58, 59, 60' w/lJSPF (Delaware). Acidized same w/1500 gals 15% HCL + 30 BS. Balled off @ 5400 psig. Flowed back well. DO CIPB @ 7800', TIH to 9930'. Set Baker pkr @ 9621'. Frac 9805-15' w/9,000 gals Spectra Frac G-4000 + 57,000# 20/40 Ottawa sand... Flow back well, turned to battery.

AWO: 12/22/96 F 22 BO, 52 MCF, 6 BLW.

Well History

James Ranch Unit #76

Page 2 of 2

WORKOVER

1/14/97 to 1/17/97

Rel. Pkr @ 9621'. Ran rods & pump, set PU. Placed well on pump.

2/18/97 to 2/22/97 FRAC 7492-7660' (DELAWARE)

Set CIPB @ 8000' w/10' cmt on top. Frac 7492-7660' w/33,000 gals Spectra Frac G-3000 + 77,000# 16/30 Brady sand + 18,000# 16/30 Super LC RCS. Swabbed & flowed well back. Tagged sand fill @ 7778' KB (Delaware perfs @ 7492-7660') Ran rods & pump, placed well on production.

AWO: 3/10/97 68 BO, 80 MCF, 97 BW.

4/10/97 to 4/16/97 DO CIPB's & COMMINGLE ALL ZONES

DO CIBP @ 8,000', DO CIBP @ 9994' & 10,000'. Well flowing Wolfcamp gas, would not die. CO to PBTD @ 11,175. Kill well w/50 bbls produced wtr. Run tbg, rods & pump. Placed well on prod.

AWO: 4/19/97 53 BO, 98 MCF, 100 BW.

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

State of New Mexico Energ finerals, and Natural Resources Dep cent

Form C-102 Revised 02-10-94

Instructions on bock

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

DISTRICT III 1000 Rio Brazos Rd. Aztec, NM 87410

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

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

AMENDED REPORT

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT

Santo Fe, N			FELL LOCATION								
API Number			1 .						, Los Med		
		1	40295 & 963	36	(Bone Spr	ing) & So	uth	Los Medan	os (Wolfcar		
· Property Cod	de	3 Property N	Ame	IAMES	DANCH III	.itT			* Well Numbe		
JAMES RANCH UNIT									76		
	OGRID No. Operator Name 7377 ENRON DIL & GAS COMPANY								2 Elevation		
7377			 						3298		
		-	16	SURFACE	LOCATIO	Ν					
UL or lot no.	}	Township	Range		t		1		Zast/West line	1	
E	6	23 SOUTH	31 EAST, N.M	.P.M.	1900,	NORTH	-	380.	WEST	אַ ממפ	
		"BOTT	OM HOLE LO	CATION I	F DIFFERE	NT FROM	SU	RFACE			
UL or lot ma.	Section	Township	Range	Lot Id	Feet from th	e North/South	line	Feet from the	East/West line	County	
						<u> </u>				<u> </u>	
Dedicated Ac	res 13 Joi	nt or Infill	14 Consolidation Co	ode 15 Order	· No.						
40											
			ELL BE ASSIGNI								
	CON	SOLIDATED	OR A NON-ST	ANDARD U	VIT HAS BEE	N APPROVE) BY	THE DIVIS	ION		
<u></u>		- 			<u> </u>		-	וחידא משמח	R CERTIFIC.	4 ጥ ፓ (ነ እ፤	
li		i I	1		1						
		1	i 1		1				ify that the infl ein is true and		
		i .	ļ		į				my Maxiesige a		
		į	į				-	Smature			
		1	1		1			Bett	: XiU(Low	
1900	•	-	† 1		i i		-	Printed Name	2		
		1	: !		1			Betty Gil	Ldon		
} <u>-</u>							$\dashv \vdash$	Tille			
		į	į		į		1 _		y Analyst		
		i	· .		į			Date			
الح الح		ļ .	į		!		=	7/12/96			
7501		1			1			STEVEYOR	CERTIFICA	מחדדה	
360°		i I	i I		i				ertify that th		
		1			1				wn on this pl		
			-				11.	plotted from	field notes of	actual	
•		1	İ		İ				de by me or sion, and the		
	•	į	į		į				and correct		
			į		1			best of my			
*		1	į į		1			Date of Survey			
*		1			Į.				Y 1, 1996		
•	•		!		f I			Signature	2531-91		
		÷			-		1 l '	Legica Part Bo	THE THE		
		1	1		i ;			المان مع والمراجع المراجع			
		·1	Į į		i i			H * 1	YNN		
		1	į		į			A LEEZ	NER/	}	
		į ·	i		: [NO.	792¢ :	1 1/1	
	•	1	!		!		114	1 7 7	71 /	100 C	
		! !	! ! !		 			A TO BOX NE	The Sulf Est.	#7 9 20	
		:	•)		ı —	08 #48353		′ v.H.B.	

Form 3150-(July 1992)

UNITED STATES

SUBMIT IN DUPLICATE

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

DEPARTMENT OF THE INTEDIOR

3. LÉASE DESIGNATION AND SERIAL NO. NM 02887D

VELL CO	MPLE	TION	OR R	ECON	PLETION	FREE	OB:	ŢĄŅĘ	LOG	E S S SOUN.	للتوسية	EE OR TRIBE NAME
ia. TYPE OF WEL		Off.		SAS (A)	DRY -	Other —				7. UNIT AGRE	MENT	NAME
S. THE OF COM	WORK			PLUG	DIFF	Other						
2. NAME OF OPERAT		<u> </u>		3,40,4	(23,11,					James R		
Enron Oil & C	Gas Com	pany								0003		we 70
3. ADDRESS AND				_						APIWELL N		
P.O. Box 225								915/686	5-3714	30 015 10. FIELD AND		
4. LOCATION OF WEL	L (Kepon	location cle	rarly and in	accorianc	r with any State red	urements) *	•					edanos (Wolfcamo
1900 FNL & 3												<u> </u>
At top prod. interv Same	11 (350) 250	·								11. 3EC., T., R. AND 3LRVE	Y OR A	REA
At total depth		 . ·			IA. PERMIT NO.		()) 7	E 133 UED		Sec 6.	T23S	. R31E
.Same					is. Parent , vo.		1			PARISH		12. 31216
								/9/96		lEddy		New Mexico
13. DATE 3PLDDED 9/29/96	ſ	TET.D. REAC /12/96	HED	DATE CO	MPL(Ready to prod /CS	¥.}	ŀ	299' GR	DF. RKB. RT.	GR, STC.)*	1	TEV. CASINGHEAD
10. TOTAL DEPTH, MD			BACK T.D.	. MD & TVD	1 22 IF MULTII	PLE COMPL			TERVALS	. ROTARY TO	<u>!</u>	CABLE TOOLS
11250 11224 HOW MANY* DRILLED BY X												
14. PRODUCING INTER	VAL(S), OF	THIS COMPLI	:01 - KOITE	P. 30TTON.	NAME (MD AND TV	D)•					125	WAS DIRECTIONAL SURVEY MADE
11122 1113				. 	·							No
15. TYPE ELECTRIC AN		OGS RUN									27. WA	3 WELL CORED
DILL, SDL-DSN				(2) 5157	RECURD (Repo				 			No
CASING SIZE GRADE	W.E	EIGHT, LB./FT	т. ря	CASING M) TEC H752		LE SIZE	3 341 131 1		OF CEMENT.	CEMENTING RECO!	w)	AMOUNT PULLED
-3/4" H-40	142#		1582		14-3/4			!	PP "C"			Circulated
5/8" J-55	32#		1372	54.	111"			800 sx	50/50 1	Poz A & 175	PP	Circulated
1/2" CF-95			1112	250	17-7/8"							z TOC 3150' TS
P-110	1.	_	_									
).			INER REC					30.	1	TUBING RECU	RD	
3125	7027	<u>(a) - [</u>	BOTTOM /	MD1 :	SACKS CEMENT	SCREE	N (MD)	1	ZE	DEPTH SET (MD)		PACKER SET (MD)
	·							1 140	ne l		- !	
PERFORATION RECO	20 (Interru	l. size and n	umber)	1		i		CID SUD	. ED \C=+0	RE. CEMENT SQ		
11122 to 111			,			DEPTH		AL (MD)		MOUNT AND KIND		
						11122	to 1	1137	61.00	00 gals Med	allio	on frac 3000
					w/:	151.000# 16	/30 /	AC Frac Black				
•									1			
		<u> </u>							1			
.* NTE FIRST PRODUCTIO:		l sacorioni	ION METHO	ti (Eawing	PRODUCTIO		ne of au	unni	 	WF!: 5T	AT: '5 (F	Producing or
0/25/96		Flowin	ng							shut-ii	") Pr	oducing
TE OF TEST 0/29/96	HOURS TO	ಚಾಬ	15/5		PROU'N. FOR TEST PERIOD	81		152	C	WATER - BBL	1	GAS · OIL RATIO
OW, TUBING PRESS.	CASING P	95751735	CALCUL		OIL - BBL		- MCF.	1 202	WATER - B		L GRAY	VITY - API (CORR.)
	340		24-HOUR		9:000					1	3.5	
DISPOSITION OF GAS (for fuel, ven	ued. etc.)	/						יים גנשאדויי דבשד עווא בשקביט		
old	•	-										_ •
LIST OF ATTACHMEN	7.5											
CS		· ——										
Thereby Child that the tot	ussand Turi 30	deser mount	,	ಣ ತಾಗ ಅಭಾರ	is determined from all							
SIGNE	<u>=</u>	Xeld	<u>Leu</u>		TITLE Regu	latory	Anal.	yst		DATE	11/1	4/95

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

FURMATION	101	BOTTOM	DESCRIPTION, CONTENTS, ETC.			
				HANIE	MEAS, DEPTH	TRUE L
٠.	.0	595	Redbed	Delaware Mt Grp	3902	
	595	1800	Salt	Bone Spring	7702	•
	1800	3724	Anlıy, Salt, Dolo	Wolfcamp	11018	
Dela Mt Grp & BS	3724	7475	Sand, Shale			
	7475	9550	Lime, Shale			
	9550	11250	Lime, Shale, Sand			
						<u></u>
	·	·				

BASS ENTERPRISES PRODUCTION CO.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131

817/390-8400

March 10, 1999

CERTIFIED MAIL/ Return Receipt Requested

Bureau of Land Management 2901 West 2nd Street Roswell, New Mexico 88201

Attention: Mr. Edwin L. Roberson

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

Attention: Ms. Jami Bailey

New Mexico Oil Conservation Division 2040 S. Pacheco Santa Fe, New Mexico

Attention: Ms. Lori Wrotenberry

Re: 1999 Plan of Development

James Ranch Unit

Eddy County, New Mexico

Gentlemen:

In accordance with Section 10 of the James Ranch Unit Agreement dated April 22, 1952, Bass Enterprises Production Co., Operator of the referenced unit, hereby submits a Plan of Development for the James Ranch Unit for the year 1999.

HISTORY OF PAST DEVELOPMENT

We refer to our previous Plans of Development for a detailed description of the operations conducted in this Unit in prior years.

1998 ACTIVITY

Bass purchased several wells within the unit from Enron Oil & Gas Company and integrated those wells into our operations.

Extensive pressure work was conducted on all active wells in the unit.

PARTICIPATING AREAS

Bass Enterprises Production Co. has yet to submit information for several wells drilled to date for commercial determination and participating areas. Bass is continuing to receive data necessary for these purposes and will provide same to the BLM when complete.

FUTURE DEVELOPMENT

Bass Enterprises Production Co. plans to drill at least two(2) wells during the calendar year at the following approximate locations: 1) 990' FWL, 660' FSL Section 36, T22S-R30E, to a total depth of 7,750' (Delaware) and 2) 990' FWL, 1,980' FSL Section 36, T22S-R30E to a depth of 7,750' (Delaware). As of this date the above well locations are subject to revision.

OFFSET OBLIGATIONS

Appropriate and adequate measures will be taken to prevent drainage of unitized substances from lands within the James Ranch Unit area or pursuant to applicable regulations.

MODIFICATIONS

In accordance with the terms and provisions of the James Ranch Unit Agreement, this Plan of Development may be modified from time to time as a result of changing conditions.

MARKET CONDITIONS

Bass' 1998 Activity and our 1999 Planned Activities are considerably modest compared to previous years. This is a result of a decrease in product price being as much as a 36% decline in oil prices and a 25% decline in natural gas prices over the past 12 months. Most of the oil and gas operators operating in Southeastern New Mexico are affected by the declining product prices which has resulted in a substantial decrease in drilling activity. In the event our drilling plans for 1999 are revised, we will provide for your approval an amended Plan of Development accordingly.

EFFECTIVE DATE

This Plan of Development shall become effective on January 1, 1999.

If this Plan of Development meets with your approval, please so indicate by signing in the appropriate space provided below and return one (1) signed original to the undersigned for our records.

Very truly yours,

Division Landman

JWB:ca

March 10, 1999 BLM (JRU) Page 3	ath 11
ACCEPTED AND AGREED this	18 th day of Mach, 1999.
	BUREAU OF LAND MANAGEMENT
	By:
	COMMISSIONER OF PUBLIC LANDS
	By: NEW MEXICO CILICONSERVATION DIVISION By:



COMMERCIAL RESOURCES (505)-827-5724

SURFACE RESOURCES (505)-827-5795

MINERAL RESOURCES (505)-827-5744

> ROYALTY (505)-827-5772

State of New Mexico Commissioner of Public Lands

Ray Powell, M.S., D.V.M.
310 Old Santa Fe Trail, P. O. Box 1148
Santa Fe, New Mexico 87504-1148
Phone (505)-827-5760, Fax (505)-827-5766

PUBLIC AFFAIRS (505)-827-5765

ADMINISTRATIVE MOMT. (505)-827-5700

LEGAL (505)-827-5715

PLANNING (505)-827-5752

December 14, 1998

Bass Enterprises Production Company 201 Main Street Ft. Worth, Texas 76102-3131

Attn:

Mr. J. Wayne Bailey

Re:

1998 Plan of Development

James Ranch Unit

Eddy County, New Mexico

Dear Mr. Bailey:

The Commissioner of Public Lands has, of this date, approved the above-captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the unit area and the need for further development of the unit may exist. You may be contacted at a later date regarding these possibilities.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY: FOR Conthony 71. 7 Zuck

Oil, Gas and Minerals Division,

(505) 827-5744

RP/JB/cpm

xc: Reader File

OCD

BLM

BASS ENTERPRISES PRODUCTION CO.

FILE #472

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131 817/390-8400

May 15, 1998

CERTIFIED MAIL/ Return Receipt Requested

Bureau of Land Management 2901 West 2nd Street Roswell, New Mexico 88201

Attention: Mr. Edwin L. Roberson

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

Attention: Ms. Jami Bailey

New Mexico Oil Conservation Division 2040 S. Pacheco Santa Fe, New Mexico

Attention: Ms. Lori Wrotenberry

Re: 1998 Plan of Development James Ranch Unit Eddy County, New Mexico

Gentlemen:

In accordance with Section 10 of the James Ranch Unit Agreement dated April 22, 1952, Bass Enterprises Production Co., Operator of the referenced unit, hereby submits a Plan of Development for the James Ranch Unit for the year 1998.

HISTORY OF PAST DEVELOPMENT

We refer to our previous Plans of Development for a detailed description of the operations conducted in this Unit in prior years.

1997 ACTIVITY

<u>James Ranch Unit Well No. 76</u> - This well was drilled at a location being 1,900' FNL & 360' FWL of Section 6, T23S-R31E, Eddy County, New Mexico. This well was completed as a gas well in Wolfcamp Formation, in the interval 11,122' - 11,137'.

May 15, 1998 - BLM (JRU) Page 2

PARTICIPATING AREAS

Bass Enterprises Production Co. has submitted all wells drilled to date where adequate information is available for commercial determination and participating areas. In the event you have not received commercial determinations for the wells that have been drilled and completed and are currently producing, please advise at your convenience and we will submit same to you.

FUTURE DEVELOPMENT

Bass Enterprises Production Co. plans to drill at least two(2) wells during the calendar year at the following approximate locations: 1) 990' FWL, 660' FSL Section 36, T22S-R30E, to a total depth of 7,750' and 2) 990' FWL, 1,980' FSL Section 36, T22S-R30E to a depth of 7,750'. As of this date the above well locations are subject to revision.

OFFSET OBLIGATIONS

Appropriate and adequate measures will be taken to prevent drainage of unitized substances from lands within the James Ranch Unit area or pursuant to applicable regulations.

MODIFICATIONS

In accordance with the terms and provisions of the James Ranch Unit Agreement, this Plan of Development may be modified from time to time as a result of changing conditions.

EFFECTIVE DATE

This Plan of Development shall become effective on January 1, 1998.

If this Plan of Development meets with your approval, please so indicate by signing in the appropriate space provided below and return one (1) signed original to the undersigned for our records.

Very truly yours,

Division Landman

JWB:ca

May 15, 1998 - BLM (JRU) Page 3

ACCEPTED	AND	AGREED	this	18th day of May
1998.				/
				BUREAU OF LAND MANAGEMENT
				By:
				COMMISSIONER OF PUBLIC LANDS
				By:
				NEW MEXICO OIL CONSERVATION DIVISION By: 4



COMMERCIAL RESOURCES (505)-827-5724

SURFACE RESOURCES (505)-827-5793

MINERAL RESOURCES (505)-827-5744

> ROYALTY (505)-827-5772

State of New Mexico Commissioner of Public Lands

Ray Powell, M.S., D.V.M.
310 Old Santa Fe Trail, P. O. Box 1148
Santa Fe, New Mexico 87504-1148
Phone (505)-827-5760, Fax (505)-827-5766

February 17, 1997

Bass Enterprises Production Company 201 Main Street Ft. Worth, Texas 76102-3131

Attn: Mr. J. Wayne Bailey

Re: 1997 Plan of Development

James Ranch Unit

Eddy County, New Mexico

Dear Mr. Bailey:

The Commissioner of Public Lands has, of this date, approved the above-captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the unit area and the need for further development of the unit may exist. You may be contacted at a later date regarding these possibilities.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M. COMMISSIONER OF PUBLIC LANDS

BY:

JAMI BAILEY, Director Oil, Gas and Minerals Division (505) 827-5744

RP/JB/cpm

cc: Reader File

OCD

BLM

PUBLIC AFFAIRS (505)-827-5765

ADMINISTRATIVE MOMT. (505)-827-5700

LEGAL (505)-827-5715

PLANNING (505)-827-5752

BASS ENTERPRISES PRODUCTION CO.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131 B17/390-8400

February 4, 1997

CERTIFIED MAIL/ Return Receipt Requested

Bureau of Land Management P. O. Box 1397 Roswell, New Mexico 88201

Attention: Mr. Tony Ferguson

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

Attention: Mr. Larry Kehoe

New Mexico Oil Conservation Division 2040 S. Pacheco Santa Fe, New Mexico

Attention: Mr. William LeMay

Re: 1997 Plan of Development

James Ranch Unit

Eddy County, New Mexico

Gentlemen:

In accordance with Section 10 of the James Ranch Unit Agreement dated April 22, 1952, Bass Enterprises Production Co., Operator of the referenced unit, hereby submits a Plan of Development for the James Ranch Unit for the year 1997.

HISTORY OF PAST DEVELOPMENT

We refer to our previous Plans of Development for a detailed description of the operations conducted in this Unit in prior years.

1996 ACTIVITY

James Ranch Unit Well No. 16 - This well was drilled at a location of 1,980' FNL & 330' FEL in Section 36, T22S-R30E, Eddy County, New

February 4, 1997 Page 2

Mexico. The well was completed as an oil well in the Wolfcamp Formation in the interval 11,115' - 11,131'. This well will be submitted for commercial determination during the calendar year 1997.

James Ranch Unit Well No. 65 - This well was drilled at a location being 330' FNL & 2,310' FEL in Section 6, T23S-R31E, Eddy County, New Mexico. This well was completed as an oil well in the Wolfcamp Formation in the interval 11,200' - 11,210. This well will be submitted for commercial determination during the calender year 1997.

James Ranch Unit Well No. 73 - This well was drilled at a location being 330' FNL & 1,980' FWL in Section 6, T23S-R31E, Eddy County, New Mexico. This well was completed as an oil well in the Wolfcamp Formation in the interval 11,166' -11,174'. This well will be submitted for commercial determination during the calender year 1997.

James Ranch Unit Well No. 76 - This well was drilled at a location being 1,900' FNL & 360' FWL of Section 6, T23S-R31E, Eddy County, New Mexico. This well was drilled to a depth of 11,224' and is presently being tested in the Wolfcamp Formation.

PARTICIPATING AREAS

Bass Enterprises Production Co. has submitted all wells drilled to date where adequate information is available for commercial determination and participating areas. In the event you have not received commercial determinations for the wells that have been drilled and completed and are currently producing, please advise at your convenience and we will submit same to you.

By application dated February 8, 1996, Bass Enterprises Production Co. submitted for approval a Third Revision to the Initial Atoka Participating Area. This Third Revision enlarged the Participating Area to consist of 2,604.65 acres based upon the well information obtained from the Santa Fe 1-C Pure Gold Federal well located in the SE/4 SW/4 Section 17, T23S-R31E. This Third Revision was approved by all governmental agencies with an effective date of December 1, 1982. By application dated February 8, 1996, Bass Enterprises Production Co. submitted for approval a Fourth Revision to the Initial Atoka Participating Area to consist of 2,844.50 acres based upon the well information obtained from the Mitchell Energy -Apache Federal 13 No. 1 well located in the SE/4 NE/4 Section 13, T22S-R30E. This Fourth Revision was approved by all governmental agencies with an effective date of July 1, 1993.

February 4, 1997 Page 3

FUTURE DEVELOPMENT

Bass Enterprises Production Co. plans to drill at least two(2) wells during the calendar year. As of this date the well locations and target depths are undetermined and will be subject to possible site restrictions and the issuance of drilling permits.

OFFSET OBLIGATIONS

Appropriate and adequate measures will be taken to prevent drainage of unitized substances from lands within the James Ranch Unit area or pursuant to applicable regulations.

MODIFICATIONS

In accordance with the terms and provisions of the James Ranch Unit Agreement, this Plan of Development may be modified from time to time as a result of changing conditions.

EFFECTIVE DATE

This Plan of Development shall become effective on January 1, 1997.

If this Plan of Development meets with your approval, please so indicate by signing in the appropriate space provided below and return one (1) signed original to the undersigned for our records.

Very truly_yours,

Division Landman

JWB:pb

February 4, Page 4	1997		12 th day of Feb.
ACCEPTED AND 1997.	AGREED	this	12th day of FOD.
			BUREAU OF LAND MANAGEMENT
			Ву:
			COMMISSIONER OF PUBLIC LANDS
			By:
			NEW MEXICO OIL CONSERVATION DIVISION By: G
			· //

CC: Enron Oil & Gas Company
P.O. Box 2267
Midland, Texas 79702
Attn: Mr. Patrick J. Tower

LAW OFFICES

LOSEE, CARSON, HAAS & CARROLL, P. A.

311 WEST QUAY AVENUE P. O. BOX 1720

MARY LYNN BOGLE ERNEST L. CARROLL JOEL M. CARSON [1] DEAN B. CROSS JAMES E. HAAS

ARTESIA, NEW MEXICO 88211-1720

TELEPHONE (505) 746-3505

FACSIMILE (505) 746-6316

OF COUNSEL A. J. LOSEE

December 6, 1996

Mr. William J. LeMay, Director New Mexico Oil Conservation Division 2040 S. Pacheco P. O. Box 6429 Santa Fe, New Mexico 87505-5472

> Third and Fourth Revisions of Atoka Participating Area, James Ranch Unit, Eddy County, New Mexico/NMOCD No. R-279

Dear Mr. LeMay:

Please find attached hereto a decision dated December 3, 1996, by Richard A. Whitley, Deputy State Director of the Bureau of Land Management upholding the previously approved revisions of the Third and Fourth Participating Areas of the James Ranch Unit, Eddy County, New Mexico. In light of this decision, we respectfully request that the Division grant the Motion to Dismiss previously filed by this office on November 27, 1996. is not known at this time if Enron will pursue a further appeal to the Interior Board of Land Appeals, but we see no advantage to this matter remaining pending before the Oil Conservation Division.

We would appreciate your consideration in this matter.

Respectfully yours,

LOSEE, CARSON, HAAS & CARROLL, P.A.

James E. Haas

JEH: kth Encl.

cc w/encl: Mr. Rand Carroll, Legal Bureau

Mr. Wayne Bailey



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

New Mexico State Office 1474 Rodeo Rerad P. O. Box 27115 Santa Fe, New Mexico 87502-0115 December 3, 1996

IN REPLY REFER TO: SDR 96-26 NMNM 70965 3165.3 (NM932)

CERTIFIED - RETURN RECEIPT REQUESTED Z 091 155 642

Decision

:

:

Mr. William Carr
Campbell, Carr, Berge
& Sheridan, P.A.
P.O. Box 2208
Santa Fe, NM 87504-2208

Third and Fourth Revisions to the Atoka Participating

Area, James Ranch Unit

;

Decision Upheld

On March 4, 1996, the Assistant District Manager, Minerals Support Team, Roswell District Office (RDO), approved the third and fourth revisions to the Atoka participating area of the James Ranch Unit (JRU). The approval was conditioned on concurrent approval by the New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (NMSLO). The NMOCD had already approved both revisions in their order dated February 22, 1996. Enron Oil and Gas Company (Enron), majority working interest owner in the JRU, requested and was allowed to present evidence to the RDO and the NMSLO. By letter dated July 17, 1996, to the NMSLO, the RDO indicated that they had conducted a review of additional information submitted by Enron Oil and Gas Company (Enron) and reiterated their prior approval. On July 25, 1996, approval by the NMSLO made the revision effective. On August 22, 1996, the firm of Campbell, Carr, Berge & Sheridan (representing Enron) filed a timely request for a State Director Review of RDO's decision. The law firm of Hinkle, Cox, Eaton, Coffield & Hensley, by letter dated August 22, 1996, entered its appearance for Shell Western E&P, Inc., as a party adversely affected by the RDO decision. Shell Western E&P, Inc. (Shell Western), is an affected party to the decision because they were an interest owner in the JRU on the effective date of the participating area revisions. Enron's and Shell Western's appeals the State Director included requests for an oral presentation.

Enron and Shell Western presented oral arguments and supporting evidence on October 28, 1996. By letter dated September 12, 1996, Bass Enterprises Production Company (Bass), the Unit Operator of the James Ranch Unit, filed arguments in support of RDO's decision and also requested an oral presentation. Bass made their oral presentation of on November 7, 1996.

Enron and Shell Western argued that RDO's approval should be rescinded. Their arguments were lengthy but focus on the following items:

- 1. Bass violated Federal regulations (43 CFR 3180).
- 2. Enron's consent to the revisions was never obtained as required by Article 11 of the Unit Agreement.
- 3. Enron and Shell Western were never provided notice of the revision applications as required by Articles 25 and 26 of the Unit Agreement.
- 4. The retroactive nature of the decision is improper because:
 - a. Equities must favor the party seeking retroactive relief;
- b. There must be substantial evidence to support the retroactive provision of the decision; and
- c. A retroactive effective date is not permissible any earlier than the date of application.
- 5. The lands do not meet the criteria necessary for participating area expansion defined in Article 11 of the James Ranch Unit Agreement (Unit Agreement). Specifically, the revisions include land that is not "... reasonably proved productive in paying quantities...." Bass has misinterpreted the commercial extent of the Atoka Sand by:
 - a. Excluding or misinterpreting some critical well tests;
 - b. Ignoring wells with high water saturations; and
 - c. Failing to recognize faulting in the area.

Enron argues that Bass violated regulations contained in 43 CFR 3180. This argument is without merit because these regulations merely set the standards by which units are formed. Bass must meet the terms and conditions of the Unit Agreement.

Enron misinterprets the notice requirements in Article 11 of the Unit Agreement. The section quoted pertains specifically to the combination of two or more participating areas and not additions to an existing participating area.

Enron and Shell Western both state that they were never provided notice of the revision applications as required by Articles 25 and 26 of the Unit Agreement. Article 25 of the Unit Agreement gives Bass the right to appear before the Department of the Interior, the Commissioner of Public Lands and the New Mexico Oil Conservation Commission on Issues related to operations on the JRU. Article 26 sets out the method by which notices must be delivered. The question at issue in this argument is whether or not Bass is required to notify all interested parties prior to each and every appearance before one or more of the agencies mentioned. It is our opinion that the appearance authority granted by Article 25 was conveyed to the unit operator at the time the Unit Agreement was ratified. Bass is not required by the Unit Agreement to notify interested parties when fulfilling their obligation to revise participating areas (Article 11).

Shell Western makes several arguments why a retroactive effective date is improper. Section 11 of the Unit Agreement states that "The effective date of any revision shall be the first of the month in which is obtained the knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule." The record indicates the third and fourth revisions to the Atoka Participating Area were made effective December 1982 and July 1993, respectively. In their oral presentation, Bass submitted drilling information and mapping from 1982. The material presented indicates that the information supporting their revision application was available in early 1982. It is our opinion that the Unit Agreement allows for a retroactive effective date and that the evidence presented by Bass supports the date approved by the RDO.

Enron argues that critical well tests were excluded or misinterpreted by Bass and the RDO. The record indicates that all well tests and logs from each and every well in the area of the Atoka participating area was reviewed and considered by both Bass and the RDO. Even though raw well information submitted by Enron and Bass was exactly the same or very similar, their final interpretations are significantly different. Both interpretations generally show a north-south trending reservoir, but the areal extent of the reservoir is interpreted differently, particularly in the area of section 35 and the southern end of the Atoka reservoir. Based on the fact that all of the well information was reviewed by the RDO and that evidence submitted by Enron was in the form of a differing interpretation of the very same data, it is reasonable to conclude that the original Bass application is a reasonable representation of the areal extent of the productive Atoka sand in the JRU.

Another point of contention raised by Enron is that Bass and the RDO did not correctly consider well economics for wells with high water saturations, particularly in the southern area of the Atoka

reservoir at the JRU. Wells with high water saturations indicate less reservoir qas in the vicinity of the wells. Enron claims that high water saturations in those wells, now and when they were originally drilled, makes it impossible for these wells to meet the paying quantities requirement in Article 11 of the Unit Agreement. The record indicates that Bass and the RDO believe water saturations are higher in the southern area, although they interpret slight lower values than does Enron. Bass presented drill stem test and log information that they feel indicates that presence of economic production potential at the time the wells were drilled. Enron counters this data by stating that the tests were flawed or inadequate. Article 11 of the Unit Agreement requires the unit operator to "...include additional land then regarded as reasonably proven to be productive in paying quantities...." It is our opinion, based on the evidence in the record, that Bass has reasonably demonstrated that paying quantities existed in the southern area of the Atoka reservoir in December 1982.

Enron states that faulting exists in the JRU. Faulting would be a barrier to the Atoka sand reservoir and would limit the areal extent of the participating area revisions, particularly in the area of section 35 of the JRU. Enron's interpretation is in direct conflict with opinions expressed by Bass and opinions by a experts in BLM and the NMSLO. It is our opinion that Enron has not proven the existence of faulting in the JRU.

It must be noted for the record that the RDO decision was independently reviewed by the NMOCD and the NMSLO. Both of these State agencies reviewed similar data and decided to approve the application as submitted. A protest filed by Enron is currently pending a hearing before the NMOCD.

Based on the previous discussion, Enron has not proved with a preponderance of the evidence that the RDO decision was made in error. Therefore, the March 4, 1996, decision of the Assistant District Manager, Minerals Support Team, Roswell District Office, to approve the third and fourth revisions to the Atoka participating area of the JRU is considered reasonable and must be upheld.

Enron has the right to appeal this decision to the Interior Board of Land Appeals, in accordance with the regulations in Title 43 CFR Parts 4.400 and 3165.4, as well as Form 1842-1 (copies enclosed). If an appeal is taken, Enron's Notice of Appeal must be timely filed in this office so that the case file can be transmitted to the Interior Board of Land Appeals. See the enclosed Form 1842-1 for instructions to follow pertaining to the filing of a Notice of Appeal. To avoid summary dismissal of any appeal, Enron must comply fully with all the requirements of the regulations. A copy of any Notice of Appeal and any statement of reasons, written arguments, or briefs, must be served; (1) on the

Office of the Solicitor as shown on Form 1842-1; and (2) on the Roswell District Manager, Roswell District Office, 2909 West Second Street, Roswell, NM 88201.

Sincerely,

Richard A. Whitlet Deputy State Director

Division of Resource Planning, Use and Protection

CC: NM(060, Tony Ferguson)

Losee, Carson, Haas & Carroll Attention: Mr. Jim Haas P.O. Box 1720 Artesia, NM 88211-1720

Bass Enterprises Production Co. Attention: Mr. Wayne Bailey 201 Main Street Fort Worth, TX 76102

Enron Oil and Gas Company Attention: Mr. Patrick Tower P.O. Box 2267 Midland, TX 79702-2267

Hinkle, Cox, Eaton, Coffield & Hensley Attention: Mr. James Bruce P.O. Box 2068 Santa Fe, NM 87504-2068

New Mexico Oil Conservation Division Attention: Mr. David Catanach 2040 S. Pacheco Street Santa Fe, NM 87505

New Mexico State Land Office Attention: Ms. Jami Bailey P.O. Box 1148 Santa Fe, NM 87504-1148

BASS ENTERPRISES PRODUCTION CO.

#472

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131

817/390-8400

March 7, 1995

Bureau of Land Management P. O. Box 1397 Roswell, New Mexico 88201

Attention: Mr. Armando Lopez

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

Attention: Mr. Floyd Prando

New Mexico Oil Conservation Division 2040 S. Pacheco Santa Fe, New Mexico 87505

Attention: Mr. William LeMay

Re: 1995 Plan of Development

James Ranch Unit

Eddy County, New Mexico

Gentlemen:

In accordance with Section 10 of the James Ranch Unit Agreement dated April 22, 1952, Bass Enterprises Production Co., Operator of the referenced unit, hereby submits a Plan of Development for the James Ranch Unit for the year 1995.

HISTORY OF PAST DEVELOPMENT

We refer to our previous Plans of Development for a detailed description of the operations conducted in this Unit in prior years.

1994 ACTIVITY

James Ranch Unit Well No. 17 - This well was drilled at a location of 2,080' FNL & 1,980' FWL, Section 6, T23S-R31E, Eddy County, New Mexico. The well was drilled to a total depth of 11,300' and completed as an oil well in the Bone Springs formation in the intervals 10,988' - 11,022'. A determination of non-commercial status has been made by the BLM.

James Ranch Unit Well No. 29 - This well was drilled at a location 2,310' FWL and 1,980' FSL Section 36, T22S-R30E, Eddy County, New Mexico. The well was drilled to a total depth of 7,850' and completed as an oil well in the Delaware Formation between the intervals 7,460' - 7,466 and 7,502' - 7,518'. This well will be submitted during the calendar year 1995, for commercial determination and a participating area.

James Ranch Unit Well No. 36 - This well was drilled at a location being 1,980' FNL & 1,860' FEL Section 1, T23S-R30E, Eddy County, New Mexico. This well was drilled to a total depth of 7,820' and completed as an oil well in the Delaware Formation in the interval 7,293' - 7,305'. This well be submitted during the calendar year 1995, for commercial determination and a participating area.

James Ranch Unit Well No. 37 - This well was drilled at a location being 1,980' FSL & 660' FEL Section 36, T22S-R30E, Eddy County, New Mexico. This well was drilled to a total depth of 7,781' and completed as a Delaware producer from the interval 7,529' - 7,660'. This well will be submitted during the calendar year 1995, for commercial determination and a participating area.

James Ranch Unit Well No. 41 - This well was drilled at a location 2,310' FWL and 660' FSL Section 36, T22S-R30E, Eddy County, New Mexico. The well was drilled to a total depth of 7,850' and completed as an oil well in the Delaware Formation in the interval 7,384' - 7,404'. This well will be submitted during the calendar year 1995, for commercial determination and a participating area.

James Ranch Unit No. 48 - This well was drilled at a location being 330' FWL & 990' FSL Section 12, T22S-R30E, Eddy County, New Mexico. This well was drilled to a total depth of 7,852' and completed as an oil well in the Delaware formation in the interval 6,659' - 7,222'. This well will be submitted during the calendar year 1995, for commercial determination and a participating area.

James Ranch Unit No. 55 - This well was drilled at a location being 1,980' FNL & 1,980' FWL Section 17, T22S-R31E, Eddy County, New Mexico. The well was drilled to a total depth of 8,022' and completed as an oil well in the Delaware formation in the interval 7,820' - 7,860'. This well will be submitted during the calendar year 1995, for commercial determination and a participating area.

March 7, 1995 Page 3

James Ranch Unit Well No. 56 - This well was drilled at a location being 830' FNL & 2,310' FWL Section 17, T22S-R31E, Eddy County, New Mexico. The well was drilled to a total depth of 8,070' and completed as an oil well in the Delaware formation in the interval 7,830' - 7,870'. This well will be submitted during the calendar year 1995, for commercial determination and a participating area.

James Ranch Unit Well No. 57 - This well was drilled at a location being 2,110 'FNL & 700' FWL Section 17, T22S-R31E, Eddy County, New Mexico. The well was drilled to a total depth of 8,010' and completed as an oil well in the Delaware formation in the interval 7,803' - 7,843'. This well will be submitted during the calendar year 1995, for commercial determination and a participating area.

James Ranch Unit Well No. 70 - This well was drilled at a location 660' FSL and 1,980', FEL in Section 12, T22S-R30E, Eddy County, New Mexico. The well is being completed in the Atoka formation as a gas well in the interval 12,748' - 12,756'. This well will be submitted during the calendar year 1995, for commercial determination and a participating area.

James Ranch Unit Well No. 71 - This well was drilled at a location 330' FNL & 660' FEL Section 36, T22S-R30E, Eddy County, New Mexico. The well was drilled to a total depth of 11,205' and was completed in the Wolfcamp and Atoka formation in the intervals 11,091' - 11,124' and 10,880' - 10,938', respectively. This well will be submitted during the calendar year 1995, for commercial determination and a participating area.

PARTICIPATING AREAS

Bass Enterprises Production has submitted all wells drilled to date where adequate production information is available for commercial determination and participating areas. In the event you have not received commercial determinations for the wells that have been drilled and completed and are currently producing, please advise at your convenience and we will submit same to you.

FUTURE DEVELOPMENT

Bass' plans for 1995 are to continue to evaluate geophysical and other subsurface data for future drilling purposes. Bass' drilling activity level in 1995 will be largely dictated upon the gas market and gas price levels, which recently have been much lower than expected. Also, it should be noted that Bass has submitted permits to the BLM for the drilling of the James Ranch No. 68 and No. 69 wells, which have been denied due to potash concerns.

OFFSET OBLIGATIONS

Appropriate and adequate measures will be taken to prevent drainage of unitized substances from lands within the James Ranch Unit area or pursuant to applicable regulations.

MODIFICATIONS

In accordance with the terms and provisions of the James Ranch Unit Agreement, this Plan of Development may be modified from time to time as a result of changing conditions.

EFFECTIVE DATE

This Plan of Development shall become effective on January 1, 1995.

If this Plan of Development meets with your approval, please so indicate by signing in the appropriate space provided below and return one (1) signed original to us for our records.

JWB:ca ACCEPTED AND AGREED th	Very truly yours, J. Wayne Bailey Division Landman day of March, 1995.
	BUREAU OF LAND MANAGEMENT
	Ву:
	COMMISSIONER OF PUBLIC LANDS
	By:
	NEW MEXICO OIL CONSERVATION DIVISION By: 2

BASS ENTERPRISES PRODUCTION CO.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131
817/390-8400

December 16, 1994

Bureau of Land Management Department of Interior P. O. Box 1397 Roswell, New Mexico 88201

Attention: Mr. John Simitz

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

Attention: Floyd Prando

New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87504

Attention: Mr. William LeMay

Re: Initial Bone Springs Participating Area

SW/4 NE/4 Section 6, T23S-R31E

James Ranch Unit

Eddy County, New Mexico

Gentlemen:

Bass Enterprises Production Co., as Unit Operator of the James Ranch Unit Agreement, pursuant to the provisions of Section 11 thereof, respectfully submits for your approval the selection of the following described lands to comprise the Initial Participating Area for the Bone Springs Formation:

SW/4 NE/4 Section 6, T23S-R31E containing 40.00 acres of land.

In support of this application the following numbered items are attached hereto and made a part hereof:

- 1. An ownership map (Exhibit "A") depicting the boundaries of the proposed initial participating area for the Bone Springs formation.
- 2. A schedule (Exhibit "B") identifying the lands entitled to participation in the unitized substances produced from the Bone Springs formation with the percentage of participation of each lease or tract indicated thereon.

This proposed initial participating area is predicated upon the knowledge and information first obtained upon the recompletion of Unit Well No. 7 (located in the SW/4

NE/4 of Section 6, T23S-R31E) in October, 1982. It should be noted that the No. 7 has been previously determined as capable of producing in commercial quantities. According to the Unit Agreement it is our understanding that the effective date of this initial participating area will be October 1, 1982. Therefore, Bass respectively requests your approval of the hereinabove selection of lands to constitute the Initial Bone Springs Participating Area to be effective October 1, 1982. Thank you very much for your cooperation in this regard and should you require additional information concerning same, please don't hesitate to contact the undersigned.

Note Suid

Very truly yours,

Wayne Bailey

JWB:ca	//			
ACCEPTED AND AGREED this	27th	_day of _	Dec	_, 1994
BUREAU OF LAND MANAGEMENT				
By:				
COMMISSIONER OF PUBLIC LAND	S			
By:				

NEW MEXICO OIL CONSERVATION DIVISION

Ky Ell hum

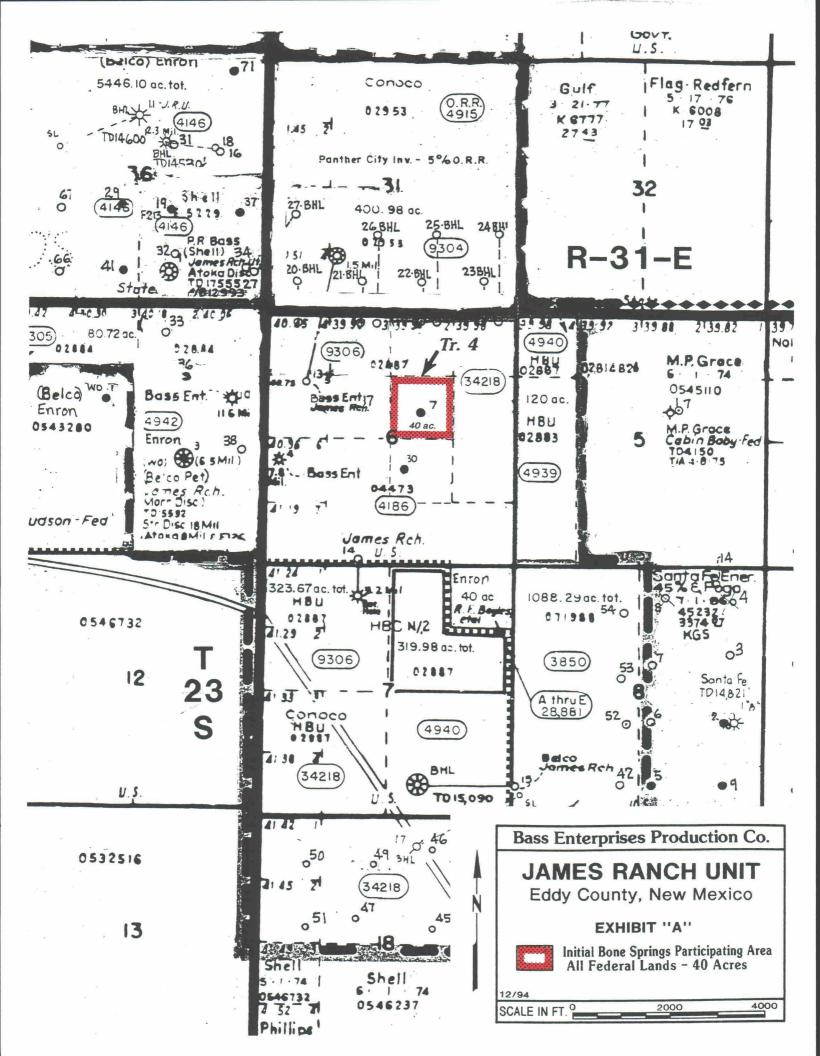


EXHIBIT "B"

Initial Bone Springs Participating Area James Ranch Unit Eddy County, New Mexico

Working Interest Owners	Bass Enterprises Production Co50%	Enron Oil & Gas Co50%		
Percentage of Participation	100%		100%	
Participating <u>Acres</u>	40		40	
<u>Description</u>	Section 6, T23S-R31E; SW/4 NE/4			40.00 Acres 0.00 Acres 0.00 Acres 40.00 Acres
Lease <u>No.</u>	NM 02887-A			Fotal Federal Lands: Fotal State Lands: Fotal Patented Lands: Fotal:
Tract <u>No.</u>	4		Totals:	Total Federal Land Total State Lands: Total Patented Lar Total:

BASS ENTERPRISES PRODUCTION CO.

201 MAIN ST.

FORT WORTH, TEXAS 76102-3131
817/390-8400

December 16, 1994

Bureau of Land Management Department of Interior P. O. Box 1397 Roswell, New Mexico 88201 New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87504

Attention: Mr. John Simitz

Attention: Mr. William LeMay

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

Attention: Floyd Prando

Re: Revision of Participating Area Initial Bone Springs Participating Area

James Ranch Unit Eddy County, New Mexico

Gentlemen:

Bass Enterprises Production Co., as unit operator of the James Ranch Unit Agreement pursuant to the provisions of Section 11 thereof, respectively submits for your approval the selection of the following described lands to constitute the first revision to the Initial Bone Springs Participating Area based on James Ranch Unit Well Nos. 7 and 30. The revised participating area consists of 119.94 acres to be comprised of the lands indicated on the plat attached hereto and further described as follows:

NW/4 NE/4 (Lot 2) Section 6, T23S-R31E SW/4 NE/4 Section 6, T23S-R31E NW/4 SE/4 Section 6, T23S-R31E All in Eddy County, New Mexico and containing exactly 119.94 acres of land.

In support of this application, the following numbered items are attached hereto and made a part hereof:

- 1. An ownership map (Exhibit "A") depicting the boundaries of the proposed first revision to the Initial Bone Springs Participating Area.
- 2. A schedule (Exhibit "B") identifying the lands entitled to participation in the revised participating area with the percentage of participation of each lease or tract indicated thereon.

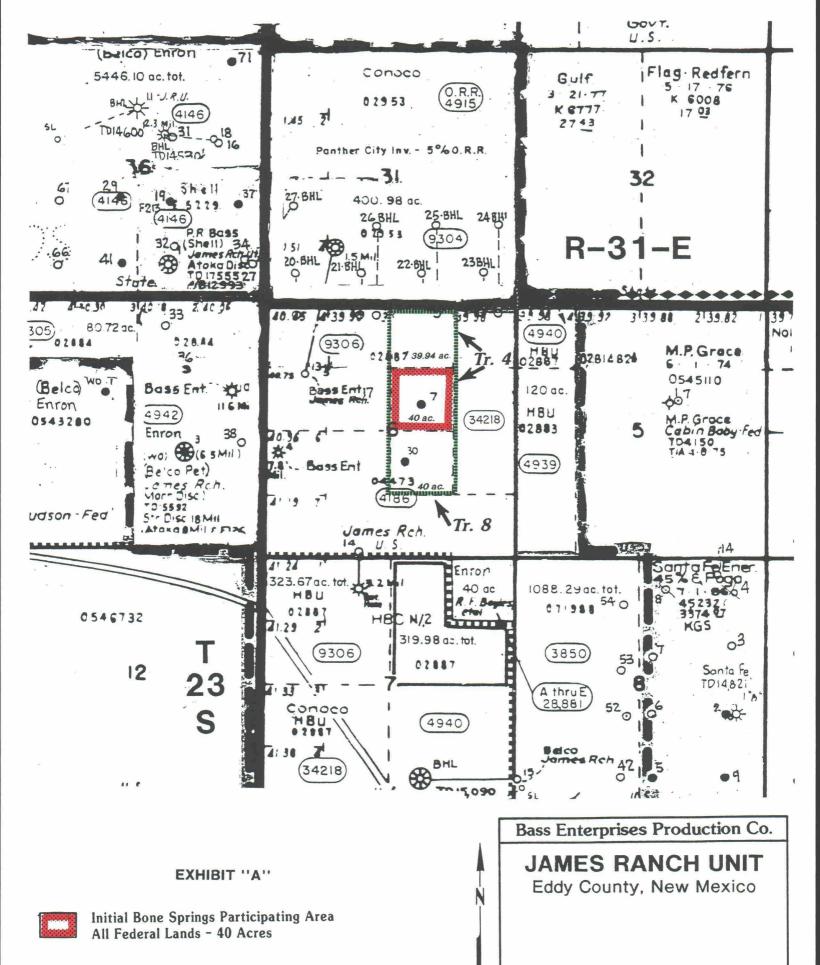
3. A geological report with accompanying geological maps submitted in triplicate supporting and justifying the proposed selection of the revised area based on the results obtained from the James Ranch Unit Wells No 7 and 30.

This proposed revision to the Initial Bone Springs Participating Area is predicated upon the knowledge and information first obtained from the completion of James Ranch Unit No. 30 Well (located in the NE/4 SW/4 Section 6, T23S-R31E) on November 25, 1993. According to Section 11 of the Unit Agreement, the effective date of the subject revision should be the first of the month in which the above information was obtained or November 1, 1993. It should be noted that James Ranch Unit Wells No. 7 and 30 have been previously determined to be capable of production in commercial quantities according to the Unit Agreement. Therefore, Bass respectfully requests your approval of the hereinabove described 119.94 acres of land to constitute the First Revision to the Initial Bone Springs Participating Area, to be effective November 1, 1993.

Thank you very much for your cooperation in this regard and should you have any questions or comments concerning same, please don't hesitate to contact the undersigned.

JWB:ca	
ACCEPTED AND AGREED this 27 day of Dec., 1996	4.
BUREAU OF LAND MANAGEMENT	
By:	
COMMISSIONER OF PUBLIC LANDS	
Ву:	
NEW MEXICO OIL CONSERVATION DIVISION By: Ty By: Ty Ty Ty Ty Ty Ty Ty	

Very truly yours,



12/94

SCALE IN FT.

4000

1st Revision to Initial Bone Springs Participating Area

All Federal Lands - 119.94 Acres

EXHIBIT "B"

First Revision to Initial Bone Springs Participating Area James Ranch Unit Eddy County, New Mexico

Total Federal Lan Total State Lands: Total Patented La Total:	Totals:		∞		4		4	Tract
Total Federal Lands: Total State Lands: Total Patented Lands: Total:			NM 04473		NM 02887-A		NM 02887-A	Lease <u>No.</u>
119.94 Acres 0.00 Acres 0.00 Acres 119.94 Acres			Section 6, T23S-R31E; NW/4 SE/4		Section 6, T23S-R31E, SW/4 NE/4		Section 6, T23S-R31E; NW/4 NE/4	Description
	119.94		40.00		40.00		39.94	Participating <u>Acres</u>
	100%		33.35%		33.35		33.30	Percentage of Participation
		Enron Oil & Gas Co50%	Bass Enterprises Production Co50%	Enron Oil & Gas Co50%	Bass Enterprises Production Co50%	Enron Oil & Gas Co50%	Bass Enterprises Production Co50%	Working Interest Owners

TO: John S. Simitz

FROM: George A. Hillis

DATE: October 19, 1994

RE: INITIAL BONE SPRING PARTICIPATING AREA

JAMES RANCH UNIT

W/2 OF NE/4 AND NW/4 OF SE/4

SECTION 6, T23S-R31E EDDY COUNTY, NEW MEXICO

The reservoir addressed in this proposed participating area is defined as the interval within the Bone Spring III Sand from 11,014-58 in the J.R.U No. 7 (SW/4 of NE/4 Sec. 6) and 11,020-66 in the J.R.U. No. 30 (NW/4 of SE/4 Sec. 6). Please find attached an isopach map for H \geq 12% porosity within this interval and a structure map on the Base of the Bone Spring III Sand/Top Wolfcamp. The J.R.U. Nos. 7 & 30 are located within the southern 80 acres of the proposed 120-acre participating are.

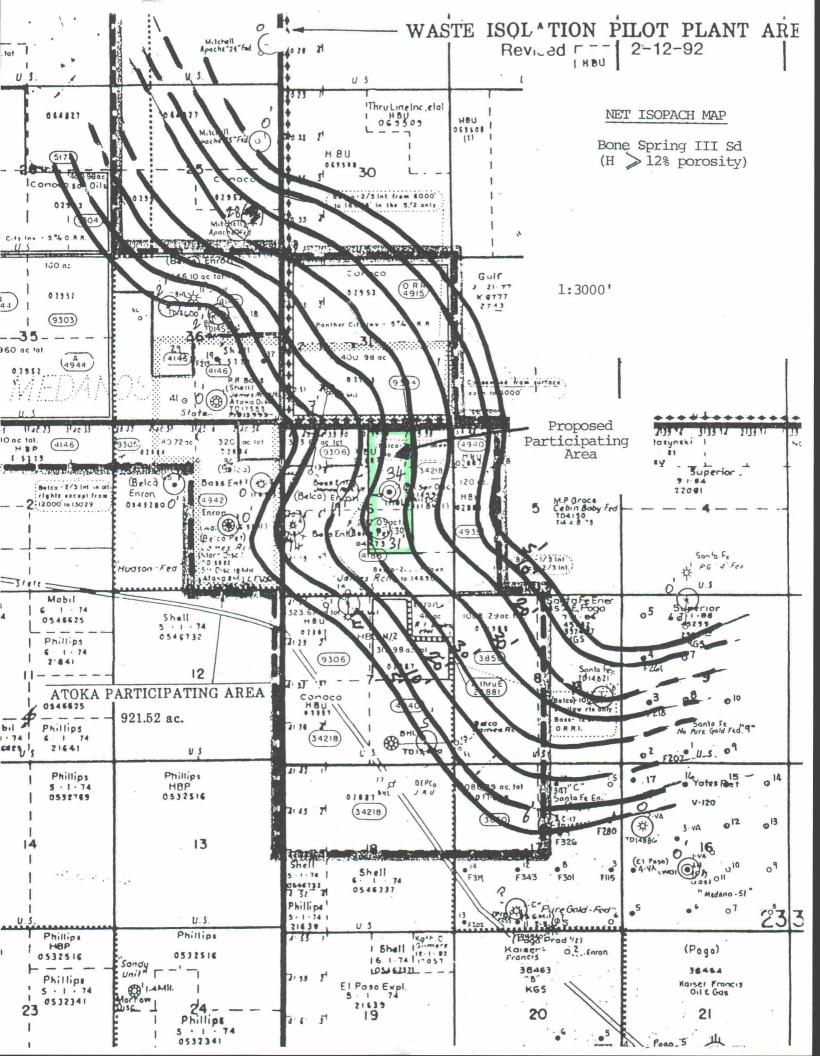
The reservoir interval, as evidenced in the J.R.U. No. 7 is made up of at least six para-sequences of sand turbidite flow. Inter-well correlations support this depositional environment with its associated complex heterogeneity resulting in both continuous and discontinuous reservoir sands. Based on comparison of well performances between the J.R.U. Nos. 7 & 30 versus the J.R.U. No. 17 it appears that approximately 30' of reservoir quality sand are required for a well to be commercial, thus defining the western and eastern boundaries of the proposed participating area. At this time an "artificial" northern boundary is proposed, specifically due to the acreage north of it being located within the W.I.P.P. area. The proposed southern boundary is defined at this time by the J.R.U. No. 30 being the last known downdip well with commercial production. It is unknown also if a well can be drilled in the S/2 of the SE/4 due to potash reserves in the vicinity.

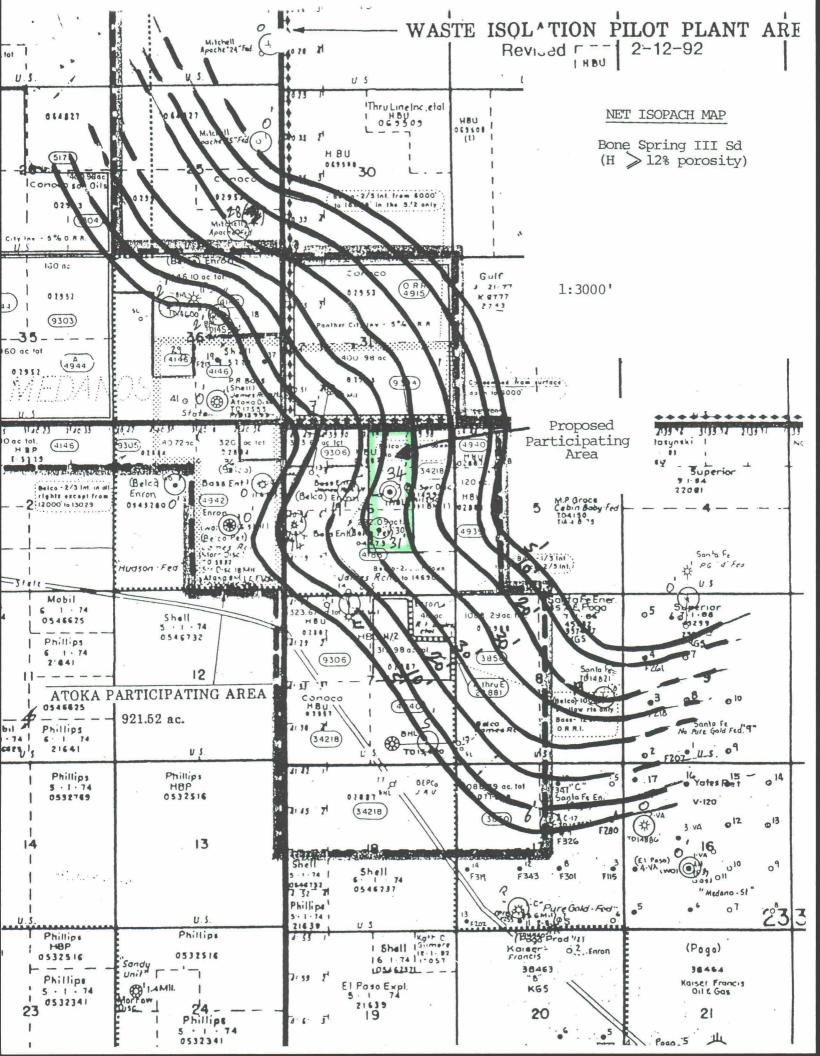
Please feel free to call me with any questions you might have.

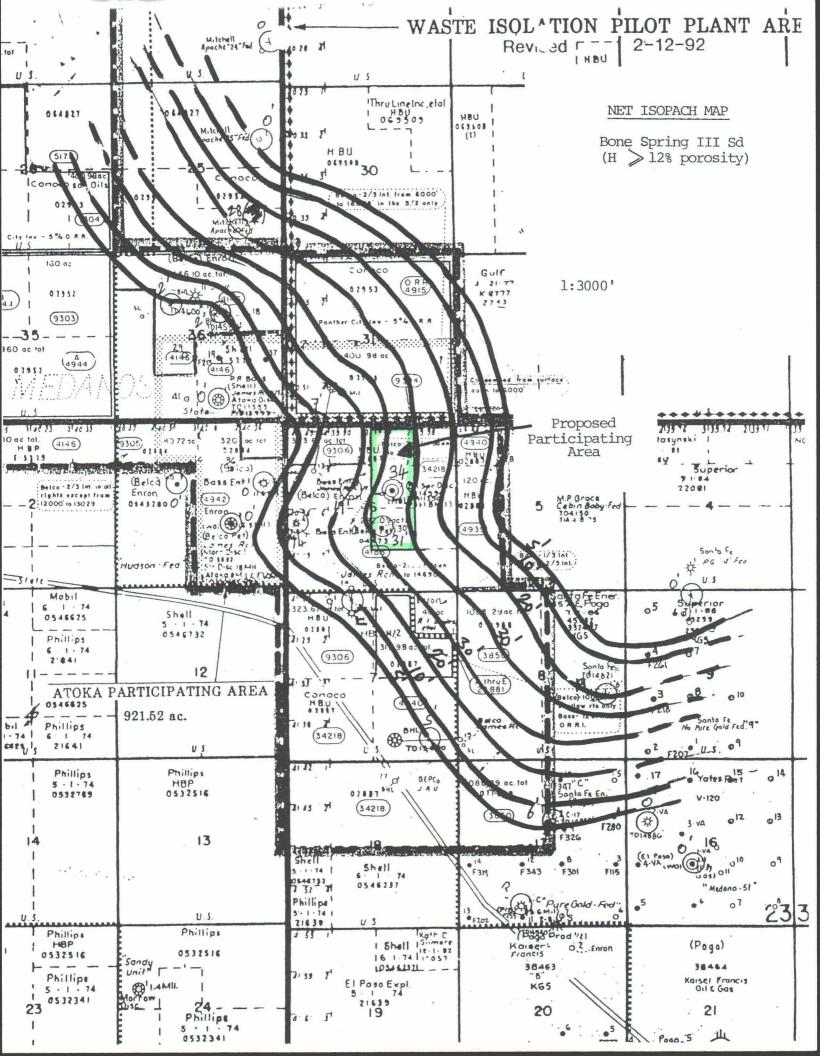
Conge A. Hillis

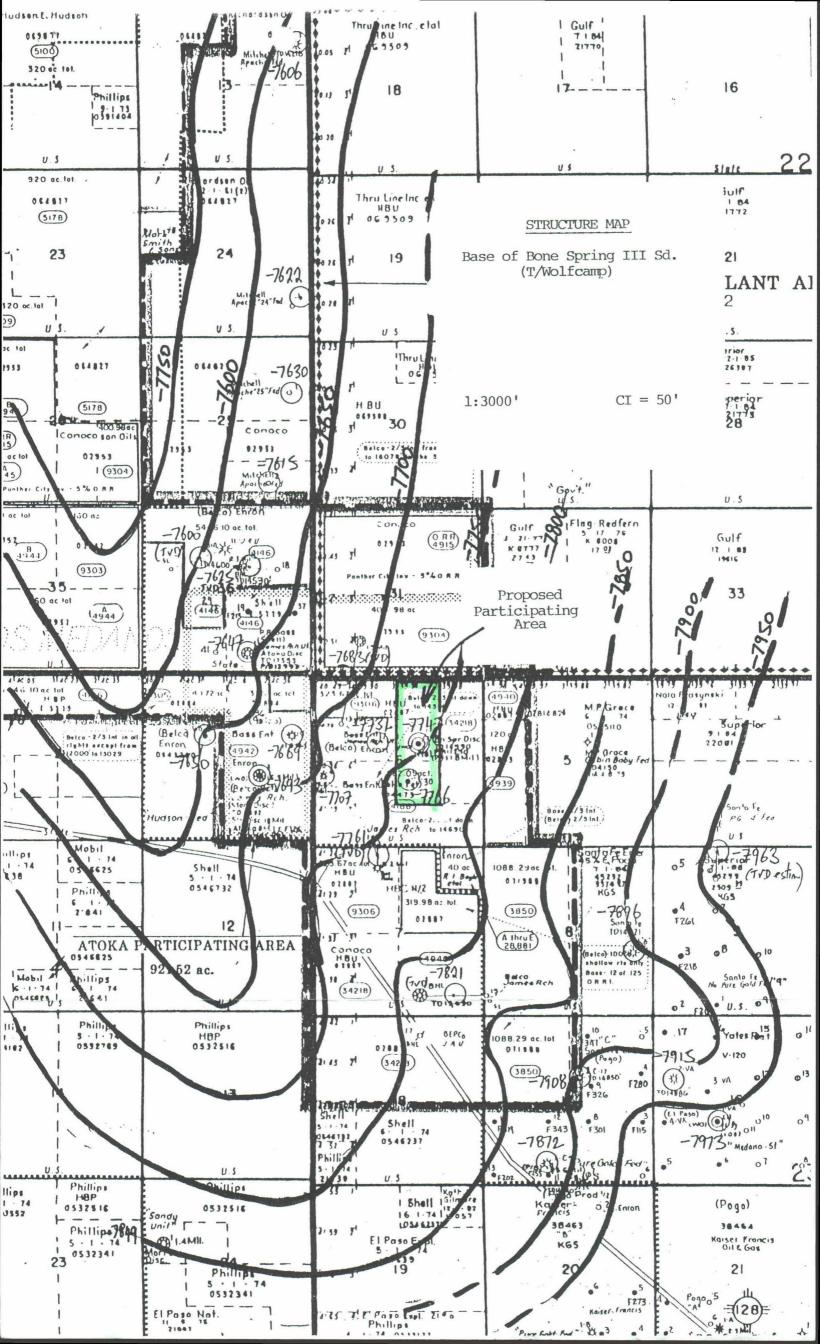
GAH: jp

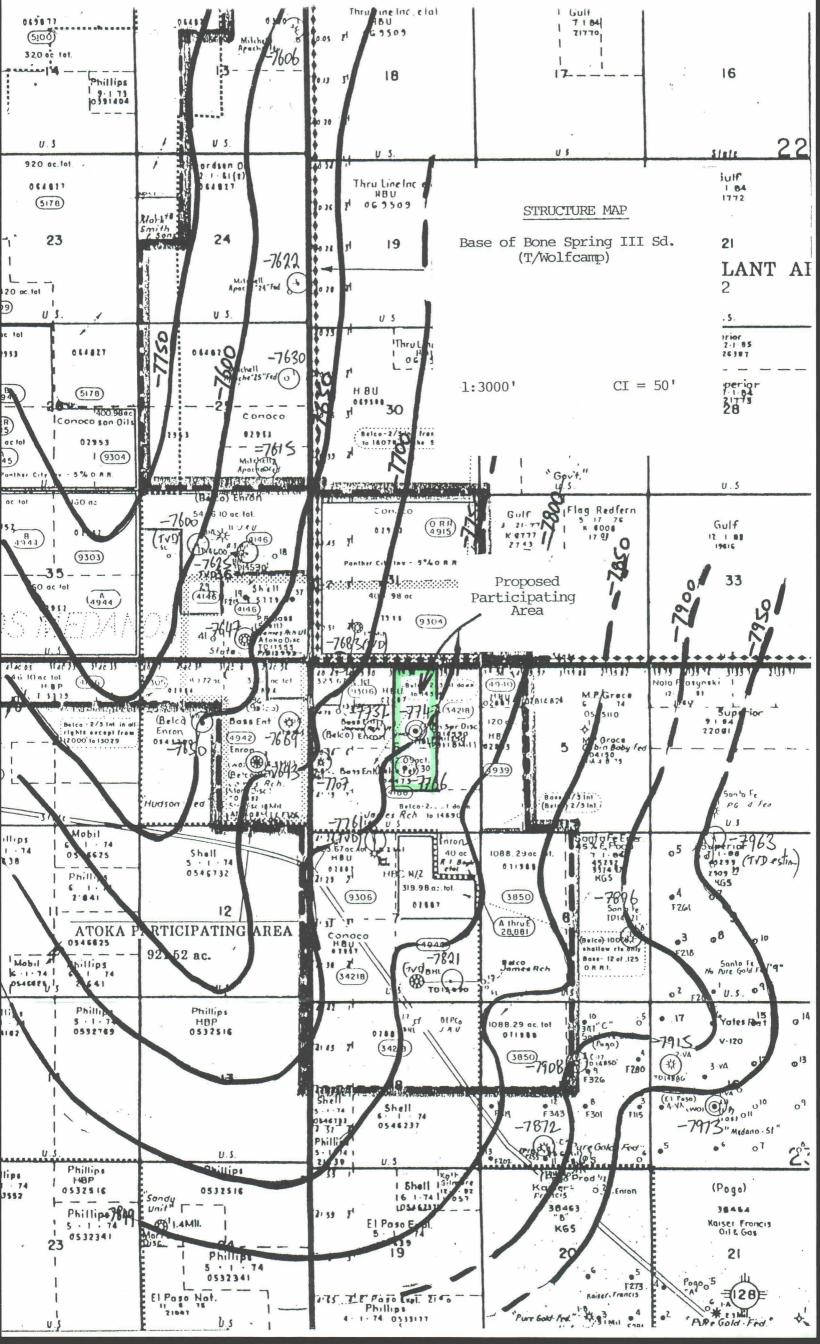
Attachments

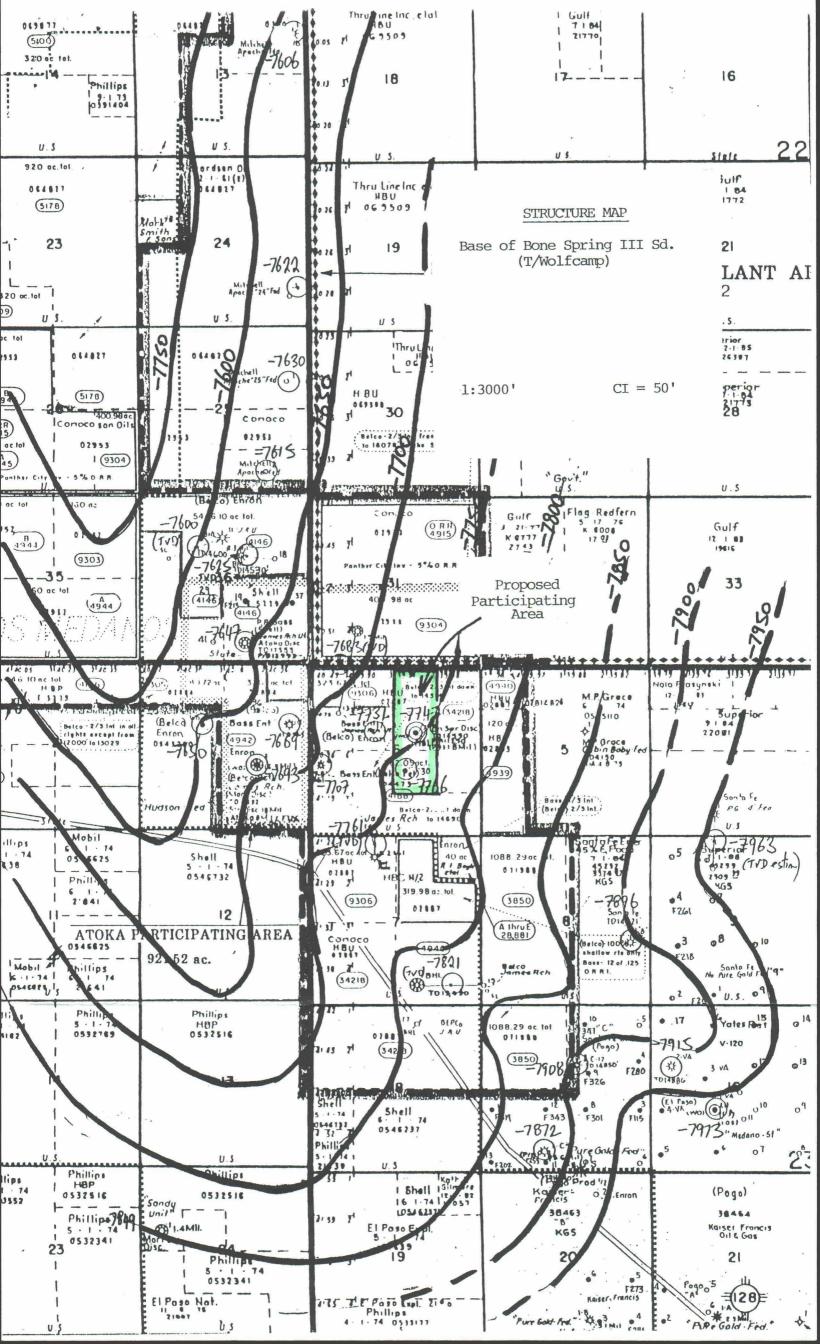












BASS ENTERPRISES PRODUCTION CO.

FIRST CITY BANK TOWER
201 MAIN ST.
FORT WORTH, TEXAS 76102
817/390-8400

April 6, 1994

Bureau of Land Management Department of Interior P. O. Box 1397 Roswell, New Mexico 88201 New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87504

Attention: Mr. Les Babyak

Attention: Mr. William LeMay

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

Attention: Floyd Prondo

APR 7 1994

Re: Application for Approval of

Initial Participating Area

for the Bone Springs Formation

James Ranch Unit

Eddy County, New Mexico

Gentlemen:

Bass Enterprises Production Co., as Unit Operator for the James Ranch Unit Agreement, pursuant to the provisions of Section 11 thereof, respectfully submits for your approval the selection of the following describe lands to constitute the initial participating area for the Bone Springs formation, to wit:

NW/4 SE/4 and SW/4 NE/4 Section 6, T23S-R31E, Lea County, New Mexico, and containing exactly 80 acres of land.

In support of this application the following numbered items are attached hereto and made a part hereof:

- A. An ownership map showing the boundaries of the unit area and the proposed initial participating area.
- B. A schedule showing the lands entitled to participate in the unitized substances produced from the Bone Springs formation, with the percentage of participation of each lease or tract indicated thereon.
- C. A geological and engineering report with accompanying geologic maps supporting and justifying the proposed selection of the participating area.

April 6, 1994 Page 2

This proposed initial participating area is predicated upon the knowledge and information first obtained upon the completion in paying quantities of the terms of the unit agreement on August 1, 1982, of Unit Well No. 7, located in the SW/4 of NE/4, Section 6, T23S-R31E, Eddy County, New Mexico, with an initial production of oil from the Bone Springs formation at a depth of 11,017' - 11,052'. This well was initially deemed to be non-commercial. But the well has since paid out and continues to produce in commercial quantities. The effective date of this initial area shall be August 1, 1982, pursuant to Section 11 of the Unit Agreement.

Consequently, Bass Enterprises Production Co. respectfully requests your approval of the hereinabove selection of lands to constitute the initial Bone Springs participating area to be effective August 1, 1982.

Jens Hansen Division Landman
TH:ca
ACCEPTED AND AGREED this 8 th day of April, 1994.
BUREAU OF LAND MANAGEMENT
Ву:
COMMISSIONER OF PUBLIC LANDS
Ву:
NEW MEXICO OIL CONSERVATION DIVISION By: 14 January

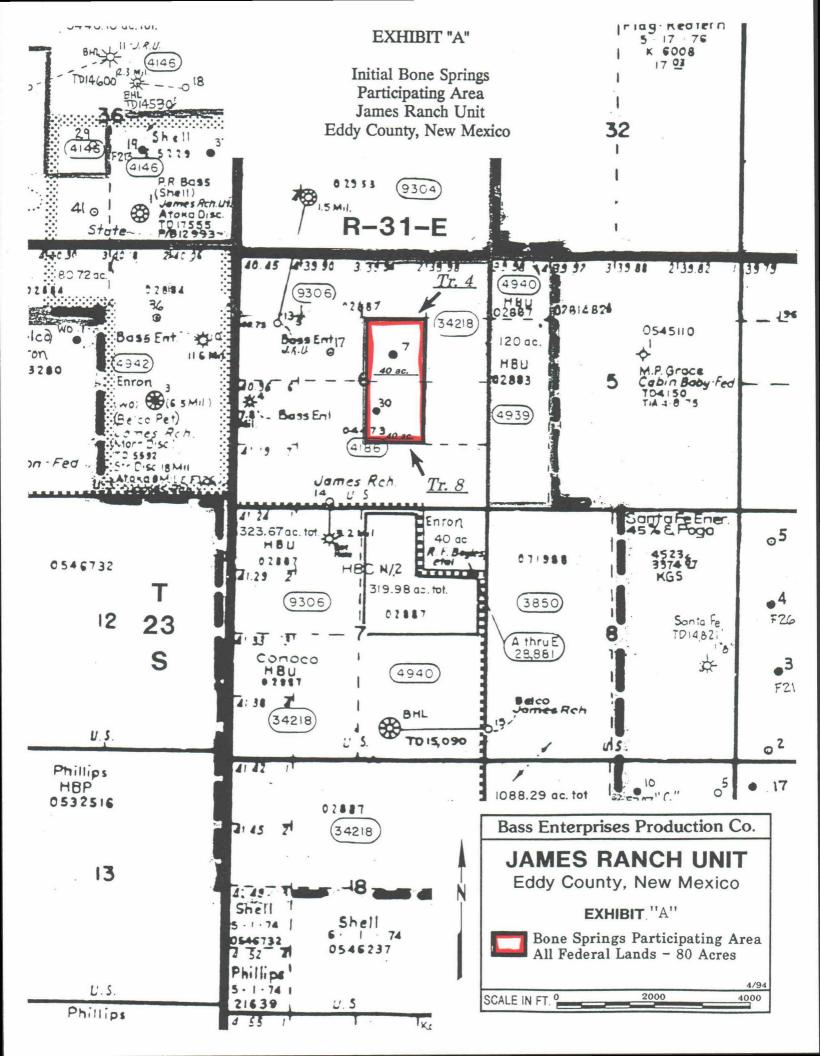


EXHIBIT "B" Initial Bone Springs Formation Participating Area James Ranch Unit Eddy County, New Mexico

∞	4	Tract <u>No.</u>
NM04473	NM02887-A	Lease No.
Sec. 6: NW/4 SE/4	Sec. 6: SW/4 NE/4	Description
40	40	Participating <u>Acres</u>
50.00%	50.00%	Percent of Participation
Perry R. Bass, Inc Lee M. Bass, Inc Sid R. Bass, Inc Thru Line Inc Keystone, Inc Enron Oil & Gas Co	Perry R. Bass, Inc Lee M. Bass, Inc Sid R. Bass, Inc Thru Line Inc Keystone, Inc Enron Oil & Gas Co	Working Interest Owners
18.7500% 14.0625% 14.0625% 14.0625% 14.0625% 25.0000%	18.7500% 14.0625% 14.0625% 14.0625% 14.0625% 14.0625% 25.0000%	

Total Federal Lands: Total Patented: Total State Lands:

80.00 00.00

Total:

80.00

Initial Bone Springs
Participating Area
James Ranch Unit
Eddy County, New Mexico

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

LOCATION Q										
SECTION S TOWNSHIP 23S RANGE 31E COUNTY Eddy NEW	FORMATION Les Medanos (Bons Spring)	FORMA			ch Unit #7	James Ran			_	WELL
### SPUD DATE 9/29/74 COMPLETION DATE 1/19/76 NITIAL PRODUCTION 8/1/8: ###################################	LINE & 1980 FEET FROM E LINE	LINE &	N	FEET FROM	1980	UNIT,	<u> </u>		ON _	LOCATION
### PERFORATIONS 11.017'. 21', 32', 38', 46', 4 52' STIMULATION: ACID 3000 gailone morrow flow - 10% FRACTURE 5000 gailone 2% KCL; 5000 gailone LOGEL; 12000 gailone LOGEL w/ 13000 # 20/40 sand 4 3500 # 20/40 glass beads POTENTIAL	NTY Eddy, NEW MEXICO	JNTY	COUN	316	RANGE	238	TOWNSHIP	5	N _	SECTION
### STIMULATION: ### ACID	INITIAL PRODUCTION 8/1/82		9/76	1/15	DATE	COMPLETION	8/29/74		ATE _	SPUD DAT
ACID 3000 gallone morrow flow - 10% FRACTURE 5000 gallone 2% KCL: 5000 gallone LOGEL: 12000 gallone LOGEL w/ 13000 # 20/40 eand & 3500 # 20/40 glees beeds POTENTIAL IP 57 80PD, 0 BWPD, 208 MCF [Attach Copy of C-105. Attach Copy of Weilbore Sketch of Completed Weil.] VOLUMETRIC CALCULATION SANDS PERFORATED POTENTIALLY PRODUCTAINS (ppr), % 16 Water saturation (sw), % So Not Thickness (h) Temperature (T), Fabrenheit Sottom Holis pressure (P), paid Recovery factor (RF), % 30 Recovery factor (RF), % 30			··········		52.	32', 38', 48', 4	11,017', 21'.	3	ATIONS	PERFORATI
FRACTURE 5000 gailone 2% KCL; 5000 gailone LOGEL; 12000 gailone LOGEL w/ 13000 # 20/40 sand & 3500 # 20/40 glass beads POTENTIAL IP 57 30PD, 0 BWPD, 208 MCF [Attach Capy of C-105. Attach Capy of Weilbore Statch of Completed Well.] VOLUMETRIC CALCULATION SANDS PERFORATED POTENTIALLY PRODUCT Area (A) proration unit size, scree 40 Poresity (parl, % 16 Water saturation (8w), % 50 Not Thickness (h) 36 Sottom Holis pressure (P), pais 9400 Recovery factor (RF), % 30							····		ATION:	STIMULAT
POTENTIAL IP 57 30PD, 0 BWPD, 209 MCF [Attach Capy of C-105. Attach Capy of Weilbore Sketch of Completed Weil.] VOLUMETRIC CALCULATION SANDS NOT PERFORATE SANDS PERFORATED POTENTIALLY PRODUCY Area (A) proration unit size, scree 40 Povosity (parl, % 16 Water saturation (Sw), % 50 Net Thickness (h) 18 Temperature (T), Fahrenheit 165 Bottom Hole pressure (P), paia 8400 Recovery factor (RF), % 30		. =\		10%	narraw flow -	3000 gailons n	····	CID	•	
POTENTIAL IP 57 30PD, 0 8WPD, 208 MCF [Attach Capy of C-105. Attach Capy of Weilbore Statch of Campieted Weil.] VOLUMETRIC CALCULATION SANDS PERFORATED SANDS NOT PERFORATE POTENTIALLY PRODUC Area (A) proretion unit size, scree 40 Povosity (port), % 16 Water seturation (8w), % 50 Net Thickness (h) 38 Temperature (T), Fahrenheit 165 Sottom Hole pressure (P), paia 6400 Recovery factor (RF), % 30	gallone LOGEL w/ 13000 # 20/40 sand & 3500 #	galione LOGEL	12000 ga	gallons LOGEL;	% KCL; 5000	5000 gailone 2	RE	RACTUR	F	
(Attach Capy of C-105. Attach Copy of Weilbore Sketch of Completed Weil.) VOLUMETRIC CALCULATION SANDS NOT PERFORATE SANDS PERFORATED POTENTIALLY PRODUCT Area (A) proration unit size, acree 40 Forosity (porl, % 16 Water saturation (Sw), % 50 Net Thickness (h) 36 Temperature (T), Fahrenheit 165 Sottom Holis pressure (P), peie 6400 Redovery factor (RF), % 30					e de	20/40 gless be			_	
(Attach Capy of C-105. Attach Copy of Weilbore Sketch of Completed Weil.) VOLUMETRIC CALCULATION SANDS NOT PERFORATE SANDS PERFORATED POTENTIALLY PRODUCT Area (A) proration unit size, acree 40 Forosity (porl, % 16 Water saturation (Sw), % 50 Net Thickness (h) 36 Temperature (T), Fahrenheit 165 Sottom Holis pressure (P), peie 6400 Redovery factor (RF), % 30										
VOLUMETRIC CALCULATION SANDS NOT PERFORATE SANDS PERFORATED POTENTIALLY PRODUCT Area (A) prorestion unit size, scree 40 Porcesity (por), % 16 Water saturation (Sw), % 50 Net Thickness (h) 38 Temperature (T), Fahrenheit 5400 Recovery factor (RF), % 30									-	
VOLUMETRIC CALCULATION SANDS NOT PERFORATE SANDS PERFORATED POTENTIALLY PRODUCT Area (A) prorestion unit size, scree 40 Porcesity (por), % 16 Water saturation (Sw), % 50 Net Thickness (h) 38 Temperature (T), Fahrenheit 5400 Recovery factor (RF), % 30				CF.	BWPD, 208 M	IP 57 80PD, 0			 MAL _	POTENTIAL
Area (A) proration unit size, scree 40 Forceity (por), % 16 Water saturation (6w), % 50 Net Thickness (h) 36 Temperature (T), Fahrenheit 165 Sottom Hole pressure (P), paie 6400 Recovery factor (RF), % 30							Attach Copy of	/ C-105.	_	
Porceity (por), % 16	SANDS NOT PERFORATED BUT			Well.I	of Completed \		Attach Copy of	/ C-105.	_	
Water saturation (Sw), % 50 Net Thickness (h) 36 Temperature (T), Fahrenheit 165 Bottom Hole pressure (P), paia 6400 Recovery factor (RF), % 30	SANDS NOT PERFORATED BUT REPORATED POTENTIALLY PRODUCTIVE	ERFORATED	nos perf	Well.I	of Completed \			·	Сару о	(Attach Co
Net Thiskness (h) 36 Temperature (T), Fahrenheit 165 Sottom Hole pressure (P), paia 6400 Recovery factor (RF), % 30	SANDS NOT PERFORATED BUT REPORATED POTENTIALLY PRODUCTIVE 0	ERFORATED	NDS PERF	Well.I	of Completed \			on unit s	Capy o	(Attach Co
Temperature (T), Fahrenheit	SANDS NOT PERFORATED BUT POTENTIALLY PRODUCTIVE 0 6	ERFORATED 40	NOS PERF 40	Well.I	of Completed \		siza, acree	on unit e	Capy o	(Attach Co
Settom Hole pressure (P), paia 6400 Recovery factor (RP), % 30	SANDS NOT PERFORATED BUT POTENTIALLY PRODUCTIVE 0 6	ERFORATED 40 16	NOS PERF 40 16 50	Well.I	of Completed \		siza, acree	on unit s % n (Sw), ^c	Capy o	Area (A) pr Porosity (pr Water satu
Recovery factor (RF), % 30	SANDS NOT PERFORATED BUT POTENTIALLY PRODUCTIVE 0 6	ERFORATED 40 16 50	NOS PERF 40 16 50	Well.I	of Completed \		niza, acree %	on unit e % n (Sw), '	Capy o	Area (A) pr Porosity (pr Water satu
	SANDS NOT PERFORATED BUT POTENTIALLY PRODUCTIVE 0 6 0 6	ERFORATED 40 16 50 36	NOS PERF 40 16 50 36	Well.I	of Completed \		size, acree %	on unit e % n (Sw), ' h)	Copy o	Area (A) pr Foresity (pi Weter satu Net Thickni Temperatur
Macoveragie dil, Balta "(See eq. Delow)	SANDS NOT PERFORATED BUT POTENTIALLY PRODUCTIVE 0 6 0 6 0 0	ERFORATED 40 16 50 36 65	NDS PERF 40 16 50 36 165 6400	Well.I	of Completed \		siza, acree % nhait P), paia	on unit s % n (Sw), ' h) }, Fahren	Capy of prorection (port), from the contraction of	Area (A) pr Porosity (pr Water satu Net Thickn Temperatur Bottom Ho
	SANDS NOT PERFORATED BUT POTENTIALLY PRODUCTIVE 0 6 0 6 0 0 6	ERFORATED 40 16 50 36 65 400	NDS PERF 40 16 50 36 165 6400	Well.I	of Completed \		sizs, acree % nhoit e), poie	on unit e % n (Sw), ' h) }, Fahren essure {P	Capy of Capy o	Area (A) pr Porosity (pr Weter satu Net Thickn Temperatur Sottom Ho

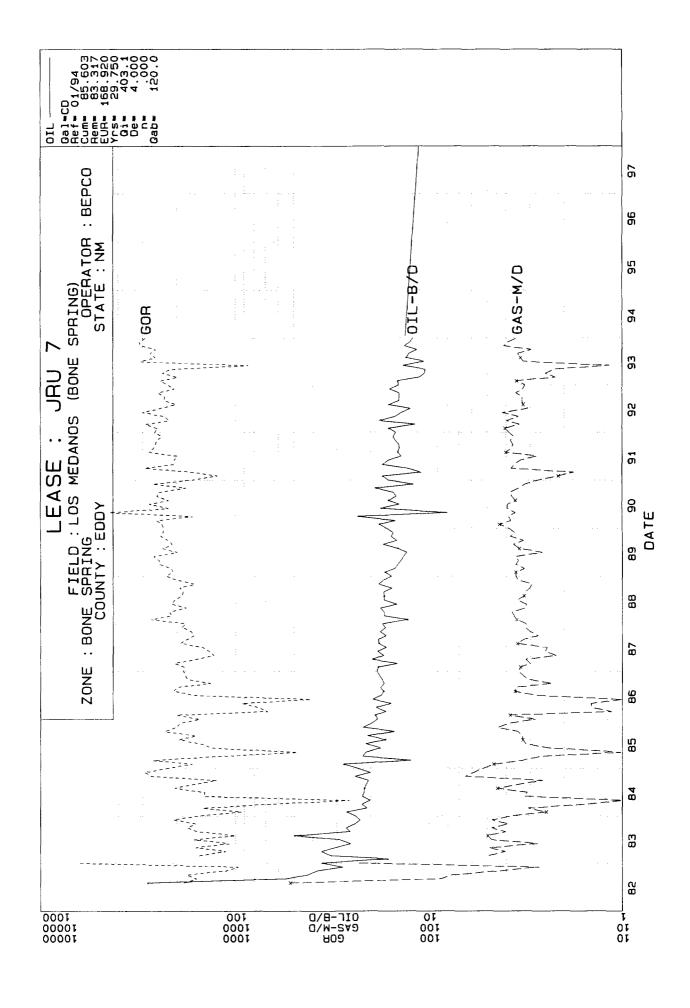
PERFORMANCE DATA

(If sufficient history exists, attach plot of oil	production rate v time.)		
CUMULATIVE PRODUCTION TO	Jan-94	, 85,603	BBLS.
INITIAL RATE (qi)		13 BOPD	
ECONOMIC LIMIT (ql)		4 BOPD	
DECLINE RATE, dy		4%	
REMAINING OIL (Q) =		83,314	
ULTIMATE RECOVERABLE OIL		168,917	
(Attach plat showing proration unit and parti	cipating area.)		

ECONOMIC

WELL COST \$	885,000	(to the depth of fo	rmation completed)		
RECOMPLETION CO	OST \$				
TOTAL COST \$	885,000				
YEAR	GROSS OIL	GROSS GAS	NET INCOME	OPERATING COST	10% BFIT DISCOUNTED CASH FLOW
ZERO					-885,000
1	14,640	30,025	482,940	24,000	417,218
2	10,418	14,438	298,360	24,000	226,745
3	8,046	12,768	232,901	18,992	160,712
4	7,156	11,651	186,299	20,375	113,328
5	6,493	9,352	106,146	11,993	58,461
6	6,385	10,791	119,019	14,430	59,037
7	6,003	12,196	108,698	12,279	49,478
8	5,505	12,634	105,227	13,815	42,645
9	5,772	13,330	133,114	13,744	50,625
10	5,375	12,223	119,229	13,918	40,601
11	5,363	12,764	112,001	15,101	33,962
12	4,447	11,012	90,291	22,784	21,510
REMAINDER	83,300	212,500	1,465,300	559,300	122,000

WELL IS COMMERCIAL



Lease: JRU 7
Field: LOS MEDANOS
Reservoir: BONE SPRING
IDCODE: C&MXBSV2.000
0330901

Remaining Reserves oxly

DATE : 03/18/94 TIME : 08:03:54 DBS FILE : PROPZONE SETUP FILE : GREAT2 SEQ NUMBER : 184

			TUPUI		DATA				CAL	CALCULATED	ED DATA	A
ITEM	SCHEDULING RATES	G RAT		SCHEDULE	E UNTIL	PROCEDURE	E)	ULTIMATE	LAST	EFF. DECL	INIT. RATE	FINAL RATE
406 START	01/94											
411 OIL	403.10	120.	120.00 B/M	×	YRS	EXP	4.00	168.920	9/23	4.00	403.	120.
416 GAS/OIL	2.55	2	2.55 M/B	01/2076	6 AD	LIN	TIME		12/75			
506 PRI/OIL 511 PRI/GAS	15.0000	××	s/B s/M	55	LIFE	P. C. C.	88		9/23 9/23		15.000	15.000
516 OPC/T	1200.00	×	W/\$	OI.	LIFE	PC	.00		9/23		1200.000	1200.000
521 ATX	2.00	×	۵P	TO	LIFE	PC	.00		9/23		.020	.020
526 STX/OIL 528 STX/GAS	7.08	××	ታ ታ	55	LIFE				9/23 9/23		.071	.071
706 NET/WI 711 NET/NIC 716 NET/NIG	100.0000 87.5000 87.5000		ታራ ታ ራ ታራ	555	LIFE LIFE	FLAT FLAT FLAT	000		9/23 9/23 9/23		1.000 .875 .875	1.000 .875 .875
RESERVE PARAMETERS	METERS		ITEM			ITEM						
206 CUMO, MB 211 LOSS	85.60 NO		CUMG, MMF									
PROJECT ASSUMPTIONS	MPTIONS											
BASE DATE : QUALIFIERS -	1/94 PROD :		P.W. DATE		1/82 OWNER: C	REPORT DATE		: 1/94 OTHER : CD				

Lease: JRU 7
Field: LOS MEDANOS
Reservoir: BONE SPRING
IDCODE: C%MXBSV2.000
0330901

DATE: 03/18/94 TIME: 08:03:54 DBS: PROPZONE FILE: GREAT2 SEQ: 184

RESERVES AND ECONOMICS

AS OF DATE: 1/1/1982

19.8 YR TOTAL	100.000 87.500	0000	83.3 72.9 1093.5 15.00	212.5 185.9 371.8 2.000	1465.3 103.7 27.2 428.4 0 906.0	122.0 122.0 122.0
AFTER	100.000 1	0000	43.6 38.2 572.3 15.00	111.2 97.3 194.6 2.000	766.8 54.3 14.3 284.4 0 413.9 413.9	24.2 24.2 122.0
S TOT	100.000 187.500	0000	39.7 34.8 521.3 15.00	101.3 88.6 177.2 2.000	698.5 49.5 13.0 144.0 .0 492.1 492.1	97.79 0.7.79
12/03	88	0000	3.3 2.9 43.1 15.00	8.4 7.3 14.6 2.000	57.7 4.11 1.4.11 1.4.00 38.20 38.20	4.4 0.0 4.4
12/02	100.000	0000	3.4 3.0 44.9 15.00	8.7 7.6 15.3 2.000	60.1 1.1.1 1.4.4 0.0 4.0 4.0 4.0	9 9 9 9 9 9 9
12/01	100.000 87.500	0000	3.6 3.1 46.7 15.00	9.1 7.9 15.9 2.000	62.6 4.4 1.1.0 1.4.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	6.1 6.1 88.1
12/00	100.000 87.500	0000	3.7 3.2 48.7 15.00	9.5 8.3 16.6 2.000	65.3 65.14 65.14 65.00 65.00 65.00	7.1
12/99	. 500	0000	3.9 3.4 50.7 15.00	9.9 8.6 17.2 2.000	68.0 4.8 1.1.3 1.4.4 0.0 47.5 7.75	8.3 .0 8.3 74.9
12/98	.00	0000	4.0 3.5 52.8 15.00	10.3 9.0 18.0 2.000	70.8 1.41 1.44 1.00 1.00 50.1	9.6 9.6 66.7
12/97	200	0000	4.2 3.7 55.0 15.00	10.7 9.4 18.7 2.000	73.8 1.44.1 1.44.4 52.0 8.23.8	11.2 11.2 57.0
12/96	100.000	0000	4.4 3.8 57.3 15.00	11.1 9.7 19.5 2.000	67 64 64 64 64 64 64 64 64 64 64 64 64 64	13.0 13.0 45.8
12/95	0.000	0000	4.6 4.0 59.7 15.00	11.6 10.2 20.3 2.000	80.0 5.77 14.4 14.4 58.5 58.5	15.2 15.2 32.8
12/94		0000	4.7 4.1 62.2 15.00	12.1 10.6 21.2 2.000	83.4 5.9 1.5 14.4 0.0 61.5 61.5	17.6 17.6 17.6
PERIOD ENDING	OWNERSHIP 1) WORKING INTEREST, % 2) REVENUE INTEREST, %	INVESTMENTS, M\$	OIL PHASE	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, MS 15) GAS PRICE, \$/MCF	ECONOMICS, M\$	PRESENT WORTH @ 10.00 % 32) NET INCOME 33) INVESTMENTS & RISK 34) BFIT NET 35) CUM BFIT NET

Lease: JRU 7
Field: LOS MEDANOS
Reservoir: BONE SPRING
IDCODE: C%MXBSV2.000
0330901

DATE: 03/18/94 TIME: 08:03:54 DBS: PROPZONE FILE: GREAT2 SEQ: 184

AFTER TAX ECONOMICS

AS OF DATE: 1/1/1982

PERIOD ENDING	TAX TREATM		4) GROSS 5) - SEV	1 1 + 1 1	33)	14) - INE 15) = TAX 16) * TAX 17) - TAX	18) - WPT 19) = F.I.	010 R I -	23) + NF 24) F. 25) A.	1 = 1	1 (6)	RES	30) NET 31) INVE	32) A.F.1 33) CUM.
NDING	TREATMENT OF INVESTMENTS, EXP, RISK & CAP INT	E NS,	OSS REV. TO INTR. SEVERANCE TAX	WEI IAA NEI OPF. COSTS & ATX NPI OWNED - PAID OVERHEAD INV.	RECIATION LETION	57 AT	T REFUND I.T.	REVENUE-SEV-WPT OPR. COSTS & AIX	NEI CMNED FAID F.I.T. A.F.I.T. IOAN REDAVMENT	INTEREST PAID NET INCOME	INVESTMENTS & KSK A.F.I.T. NET	WORTH @ 10.00 %	SE SE	A.F.I.T. NET
12/94	ENTS, MS	20.	83.5 5.9	15.00	61.5	.0 34.0	20.9	17.5	20.9 40.6	40.6	40.6		11.6	11.6
12/95	• •	.0.			0.88 0.00	38. 0.4. 0.0.0	19.9	74.4	19.9 38.6		38.6		10.0	21.6
12/96	0.0		76.8 5.4	15.00.00	55.6	34.0 34.0	18.9	71.4	18.9 36.7	36.7	36.7		9 9 9	30.3
12/97	0.0			15.00.0	52.8				17.9 34.8		34.8		4.0.	37.7
12/98	• •		70.8	15.7	50.1	34.0 34.0	17.0	65.8 15.7	33.0	33.0	33.0		4.0.	44.0
12/99	0.0	20.		15.7		34.0			31.3		31.3		 	
12/00	0.0		65.3 4.6	15.6	45.0		15.3	15.6	15.3 29.7	29.7	29.7		4.7 .0.	
12/01	00			15.6		34.0 34.0			14.5 28.1				4 .	
12/02	00			15.00		340.4 4.00			13.7 26.6	26.6			w	
12/03	00	0		15.50			13.0	53.6 15.5	13.0 25.2	25.2	25.2		0, c	64.5
S TOT	00		698.5 49.5	157.0	492.1	492.1 34.0	167.3		167.3 324.8	324.8	324.8		64.5	
AFTER	00			298.7	413.9	413.9	140.7	712.5	140.7 273.2	273.2	273.2		9	80.5
29.8 YR TOTAL	00			455.6 .0 .0	906.0	906.0 34.0	308.0		308.0		597.9			

Lease: JRU 7
Field: LOS MEDANOS
Reservoir: BONE SPRING
IDCODE: C%MXBSV2.000
0330901

INDICATORS Ö I W O E C O N

DATE: 03/18/94 TIME: 08:03:54 DBS : PROPZONE FILE: GREAT2 SEQ : 184

1/1/1982 AS OF DATE: A.F.I.T. BONUS M\$----A.F.I.T. WORTH M\$-----B.F.I.T. WORTH M\$-----

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

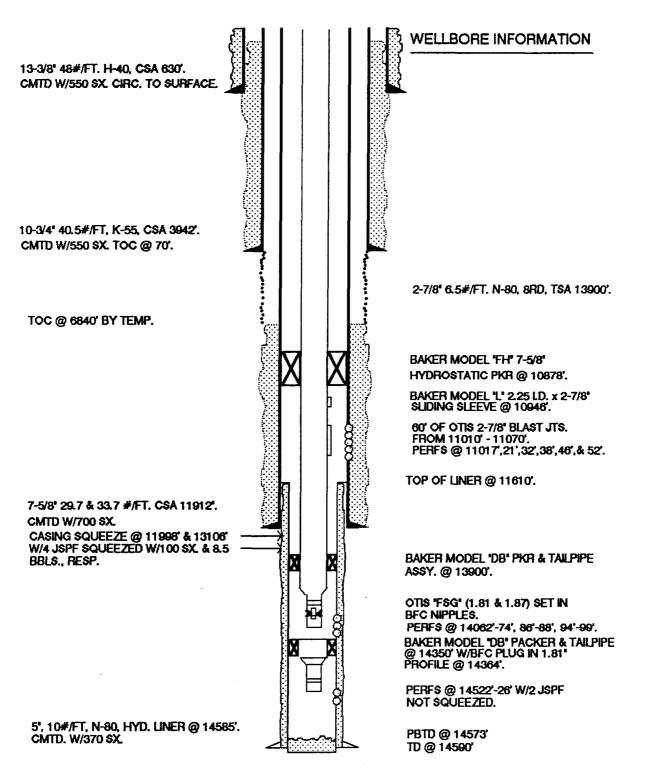
905. 233.3962 34.9933 34.9933 15.056 1.557 1.557 1.557 1.6003 0001					
597.935 207.416 80.502 33.776 14.944 1.556 1.556 0.013 0.001	100.0	00.	00.	00.	00.
905.962 314.267 121.972 22.642 10.395 4.901 1.152 1.152 0.095 0.005	100.0	.00	00.	00.	00.
10.0 10.0 220.0 33.0 43.0 10.0 10.0 10.0	RATE OF RETURN, PCT.	UNDISCOUNTED PAYOUT, YRS	DISCOUNTED PAYOUT, YRS.	UNDISCOUNTED NET/INVEST.	DISCOUNTED NET/INVEST.

NOTES

JAMES RANCH UNIT NO. 7

LOCATION:1980'FNL & 1980'FEL,SEC.6,T23S,R31E.

API NO: 40-61-3448 ELEVATIONS: 3319' GR SPUD DATE: 6-29-74 BASS ENTERPRISES
LOS MEDANOS FIELD
EDDY COUNTY, N.M.
DATE: 05-27-93, BEM 55



WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-(-)

All distances must be from the outer boundaries of the Section. M. erator Lease Well No. Perry R. Bass James Ranch Unit Unit Letter Township Range County 6 23 South 31 East Eddv Actual Footage Location of Well: 1980 North 1980 feet from the teet from the East line and Ground Level Elev. Producing Formation Dedicated Acreage: Pool 3319' Bone Springs Los Medanos 40 Acros 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? If answer is "ves." type of consolidation _ If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)_ No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Name F. Wurtz, Jr. Sr. Production Clerk Perry R. Bass Date 12-12-83 I hereby certify that the well location shown on this plat was plotted from field under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed Pegistared Professional Engineer and/or Land Surveyor Certificate No.

1000

500

Initial Bone Springs Participating Area James Ranch Unit Eddy County, New Mexico

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

MELL			James Rand	ch Unit #3)	· · · · · · · · · · · · · · · · · · ·	FORMATION		Las Medenas	(Bone Spring)	
LOCATION			_UNIT,	1980	FEET FROM	s	LINE &	2310	FEET FROM	E_L	INE
SECTION	6_	TOWNSHIP	235	. RANGE	31E	COUNTY		Eddy	· · · · · · · · · · · · · · · · · · ·	NEW MEXIC	:0
SPUD DATE	10	/13/93	COMPLETIO	ON DATE	11/2	5/93	INITIAL PRODU	CTION _		11/25/93	
PERFORATIO	ONS	11023'-43'									
STIMULATIO	ON:										
	ACID		1500 gailer	ns 7.5% H	DL						
	FRACTURE	·	69,000 gail	lane 40 # >	Hinked fluid	+ 433,600 A	20/40 ottawa				
							_ 				
POTENTIAL	IP 85 80P	D, 12 BWPD,	107 MCFPD								
		D, 12 BWPD, Attach Copy		iketch of C	ompieted Wei	i.;					
					OLUMETRI	C CALCUL				RFORATED BUT	-
Attach Copy	y of C-105.	Attach Copy			OLUMETRI	C CALCUL			ANDS NOT PER		-
(Attach Copy	y of C-105.	Attach Copy			OLUMETRI	C CALCUL					
Ares (A) pro	y of C-TO5. ration unit si	Attach Copy			OLUMETRI	NDS PERFOR					
Area (A) pro Parosity (por Water setura	ration unit si	Attach Copy			OLUMETRI	NOS PERFOR					
Ares (A) proi Parosity (poi Water setura	ration unit si r), % ation (Sw), %	Attach Copy			OLUMETRI	NDS PERFOR					
Area (A) pro Parceity (por Water satura Net Thickness	ration unit si	Attach Copy ze, acres			OLUMETRI	NDS PERFOR					
Ares (A) pro Parosity (por Water satura Net Thickness Temperature Bottom Hole	ration unit si r), % stion (Sw), % ss (h) c (T), Fahrenh	Attach Copy ze, acres			OLUMETRI	NDS PERFOR 40 16 50 26					
Area (A) property (por Water setura Net Thickness Temperature Bottom Hole	ration unit si r), % stion (Sw), % stion (T), Fahrenh r pressure (P)	Attach Copy ze, acres	of Wellbare S		OLUMETRI	NOS PERFOR 40 16 50 25 165 8400	LATED				
Area (A) property (por Water setura Net Thickness Temperature Bottom Hole	ration unit si r), % stion (Sw), % stion (T), Fahrenh r pressure (P)	ze, acres	of Wellbare S		OLUMETRI	C CALCULANDS PERFOR 40 16 50 26 165 8400 30	LATED				
Area (A) proi Parceity (pol Water satura Net Thickness Temperature Bottom Hole Recovery fac	ration unit si r), % setion (Sw), % setion (Sw), % setion (F), Fahrent r) pressure (P) otor (RF), % oil, SBLS *{	ze, acres	of Wellbare S	•	OLUMETRI	C CALCULANDS PERFOR 40 16 50 26 165 8400 30	LATED				

PERFORMANCE DATA

(If sufficient history exists, attach plot of oil production rate v time.) CUMULATIVE PRODUCTION TO Feb-94; 3,090 BBLS. INITIAL RATE (qi) 67.5 BOPD ECONOMIC LIMIT (ql) 4 BOPD DECLINE RATE, dy Hyperbolic n = 2.9, exp @ 4% REMAINING OIL (Q) = 158,727 ULTIMATE RECOVERABLE OIL 161.817 (Attach plat showing proration unit and participating area.)
ECONOMIC LIMIT (al) DECLINE RATE, dy Hyperbolic n = 2.9, exp @ 4% REMAINING OIL (Q) = 158,727 ULTIMATE RECOVERABLE OIL (Attach plat showing proration unit and participating area.)
ECONOMIC LIMIT (ql) DECLINE RATE, dy Hyperbolic n = 2.9, exp @ 4% REMAINING OIL (Q) = 158,727 ULTIMATE RECOVERABLE OIL IA1,817 (Attach plat showing proration unit and participating area.)
DECLINE RATE, dy Hyperbolic n = 2.9, exp @ 4% REMAINING OIL (Q) = 158,727 ULTIMATE RECOVERABLE OIL 161,817 (Attach plat showing proration unit and participating area.)
REMAINING OIL (Q) = 158,727 ULTIMATE RECOVERABLE OIL 161,817 (Attach plat showing proration unit and participating area.)
ULTIMATE RECOVERABLE OIL 161,817 (Attach plat showing proration unit and participating area.)
(Attach plat showing proration unit and participating area.)
ECONOMIC
ECONOMIC
WELL COST \$ 770,000 (to the depth of formation completed)
RECOMPLETION COST \$
TOTAL COST \$770,000
10% BFIT DISCOUNTED YEAR GROSS OIL NET INCOME OPERATING COST CASH FLOW
ZERO
1 16,200 284,774 39,900 222,590
2 9,500 166,600 29,300 118,300
3 8,000 139,300 28,900 87,600
4 7,100 124,100 25,500 69,500
5 6,500 113,900 24,600 57,000
6 6,100 106,300 23,900 47,600
7 5,700 100,500 23,400 40,300
8 5,500 95,700 23,000 34,400
9
10 5,100 88,700 22,300 25,700
REMAINDER 86,500 1,513,700 573,300 153,200

WELL IS COMMERCIAL

JAMES RANCH UNIT NO. 30

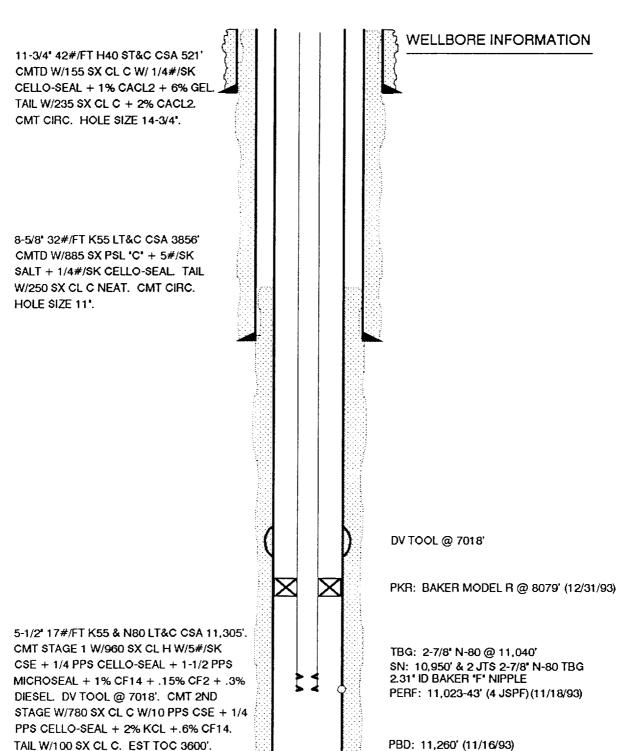
LOCATION: 1980' FSL & 2310' FEL, SEC 6, T23S, R31E, UNIT J

API NO: 30-015-27704

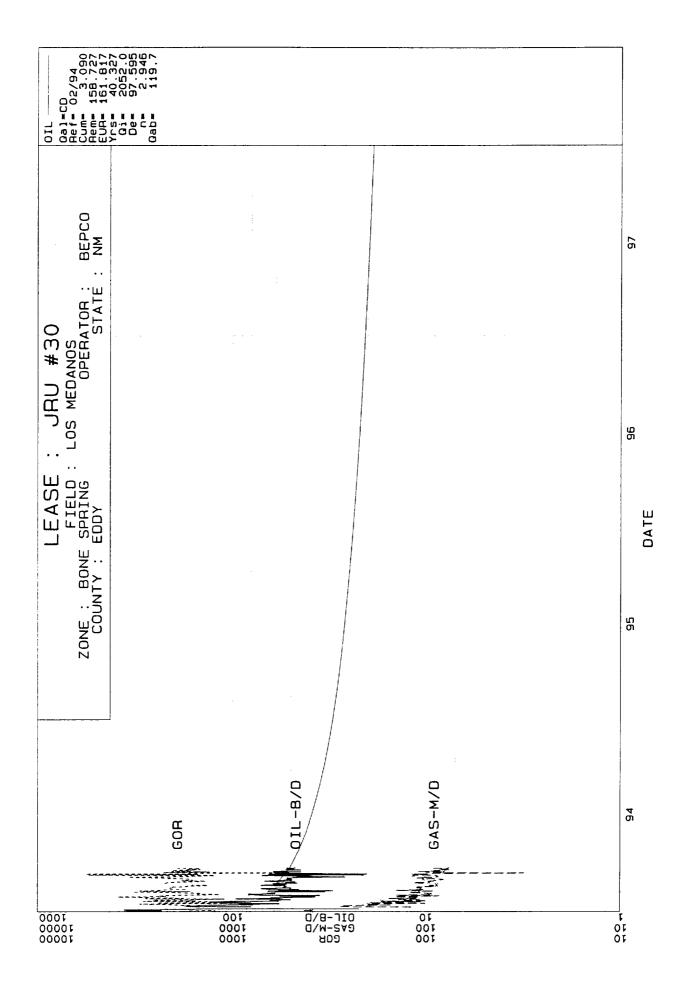
HOLE \$IZE 7-7/8".

ELEVATIONS: GL 3310.7' DF 3327.9' KB 3329.9' SPUD DATE: 10/13/93 RR: 11/12/93 COMP:

BASS ENTERPRISES LOS MEDANOS (BONE SPRINGS) EDDY COUNTY, NM DATE: 1/4/94; GP



TD: 11,305'



7 5: 1		TTES ATES ATES M/B M/B S/B S/B S/B S/B S/B S/	NG RATES X X X X X X X X X X X X X	N N
LIFE LIFE LIFE LIFE FLAT L	LIFE LIFE LIFE LIFE FLAT .00 LIFE FLAT .00 LIFE FLAT .00 LIFE FLAT .00 LIFE FLAT .00	TO LIFE PC .00 TO LIFE FLAT .00 TO LIFE FLAT .00 TO LIFE FLAT .00 TO LIFE FLAT .00 TIME PROCEDURE TOT	2.00 % TO LIFE PC .00 X % TO LIFE D % TO LIFE FLAT .00 D % TO LIFE FLAT .00 D % TO LIFE FLAT .00 ACCOUNTY TO THE FLAT .00 1.5 & INTANCIBLES TIME PROCEDURE TOT	2.00 % TO LIFE PC .00 X % TO LIFE D % TO LIFE FLAT .00 D % TO LIFE FLAT .00 D % TO LIFE FLAT .00 ACCOUNTY TO THE FLAT .00 1.5 & INTANCIBLES TIME PROCEDURE TOT
AD IMU LIFE LIFE LIFE LIFE LIFE LIFE LIFE LIFE	LIFE LIN T LIFE LIN T LIFE PC LIFE PC LIFE PC LIFE PC LIFE PC LIFE PC LIFE PC LIFE PC LIFE PC LIFE PC LIFE PC LIFE PC LIFE PC LIFE PC LIFE PC LIFE PC LIFE PC	O5/2002 AD H/2.945 TO LIFE LIN T TO LIFE PC TO LIFE PC TO LIFE PC TO LIFE PC TO LIFE PC TO LIFE PC TO LIFE PC TO LIFE PC TO LIFE PC TO LIFE PC TO LIFE PC TO LIFE PC TO LIFE PC TO LIFE FLAT TO LIFE FLAT TO LIFE FLAT TO LIFE FLAT TO LIFE FLAT TO LIFE FLAT TO LIFE FLAT TO LIFE FLAT TO LIFE FLAT TO LIFE FLAT TO LIFE FLAT TO LIFE FLAT TO LIFE FLAT	X B/D 05/2002 AD H/2.945 X B/D 95.02 IMU EXP X S/M TO LIFE PC X S/M TO LIFE PC X S/M TO LIFE PC X S/M TO LIFE PC X S/M TO LIFE PC X S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO	X B/D 05/2002 AD H/2.945 X B/D 95.02 IMU EXP X S/M TO LIFE PC X S/M TO LIFE PC X S/M TO LIFE PC X S/M TO LIFE PC X S/M TO LIFE PC X S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO LIFE FLAT D S TO
AD ING LIFE LIFE LIFE LIFE LIFE LIFE LIFE LIFE	,0000 Y	SCHEDULE C B/D B/D B/D B/D B/S W/B TO I S/M TO I S/M TO I S/M TO I TO I TO I TO I TO I TO I TO I TO	X B/D 05/2002 R X B/D 05/2002 R X \$/M TO II X \$/M TO II X \$/M TO II X \$/M TO II X \$/M TO II X \$/M TO II X \$ W TO II I TO II X \$ W TO II I TO II X \$ W TO II X \$ W TO II I TO II X \$ W TO II I TO II X \$ W TO II I TO II X \$ W TO II I TO II X \$ W TO II I TO II X \$ W TO II I	X B/D 05/2002 R X B/D 05/2002 R X \$/M TO II X \$/M TO II X \$/M TO II X \$/M TO II X \$/M TO II X \$/M TO II X \$ W TO II I TO II X \$ W TO II I TO II X \$ W TO II X \$ W TO II I TO II X \$ W TO II I TO II X \$ W TO II I TO II X \$ W TO II I TO II X \$ W TO II I TO II X \$ W TO II I
	2CHEDT 05/2C 10 10 10 10 10 10 10 10 10 10	MCIBLES	X B/D X B/D X B/D X B/D X B/D X S/B S/B S/B S/B S/B S/B S/B S/B S/B S/B	X B/D X B/D X B/D X B/D X B/D X S/B S/B S/B S/B S/B S/B S/B S/B S/B S/B

DATE: 03/17/94 TIME: 17:22:13 DBS: DAILY FILE: GREAT2 SEQ: 5

c s ECONOMI N D Ø S ы > ĸ ഠ ß ⊡

24

1/1/1994 AS OF DATE:

10.4 YR TOTAL	00.000	770:0	158.4 138.6 1078.7 15.00	396.0 346.5 692.9 2.000	2771.7 196.2 51.0 580.8 580.8 .0 .0 1943.1 770.0	849.8 770.0 79.8 79.8
40 AFTER	00.000 87.500 8	0000	86.5 75.7 1135.3 2 15.00	216.2 189.2 378.4 2.000	1513.7 2 107.2 28.1 438.0 .0 940.4 1	153.2 153.2 79.8
S TOT	00.000 10 87.500	.0.077 0.077 0.077	71.9 62.9 943.5 15.00	179.7 157.2 314.5 2.000	1258.0 89.1 23.4 142.8 .0 .0 1002.7 770.0	696.6 770.0 -73.4 -73.4
12/03	00 87	0000	5.1 4.4 66.5 15.00	12.7 11.1 22.2 2.000	88.7 6.3 1.6 1.4 0.0 66.4 66.4	25.7 .0 .25.7 -73.4
12/02	.50	0000	5.3 4.6 69.1 15.00	13.2 11.5 23.0 2.000	92.141 69.144 69.00	29.7 .0 .29.7 -99.1
12/01	100.000	0000	5.5 4.8 71.8 15.00	13.7 12.0 23.9 2.000	95.7 6.8 1.8 14.4 0.0 72.7	34.4 .0 34.4 -128.9
12/00	200	0000	5.7 5.0 75.3 15.00	14.4 12.6 25.1 2.000	100.5 7.1 1.9 14.4 0.0 77.1	40.3 .0 40.3 -163.2
12/99	00.000	0000	6.1 5.3 79.8 15.00	15.2 13.3 26.6 2.000	106.3 7.5 2.0 14.4 0.0 82.4	47.6 0.0 47.6 -203.5
12/98	00.000	0000	6.5 5.7 85.4 15.00	16.3 14.2 28.5 2.000	113.9 8.11 14.4 14.4 0.0 89.3 89.3	57.0 .0 -251.1
12/97	0.000	0000	7.1 6.2 93.1 15.00	17.7 15.5 31.0 2.000	124.1 8.8 8.8 2.3 14.4 10.0 98.6	69.5 69.5 -308.0
12/96	0.000	0000	8.0 7.0 104.5 15.00	19.9 17.4 34.8 2.000	139.3 9.9 2.6 14.4 0.0 112.5	87.6 .0 87.6 -377.6
12/95		0000	9.5 8.3 125.0 15.00	23.8 20.8 41.7 2.000	166.6 11.8 3.1 14.4 10.0 137.3	118.3 118.3 -465.2
12/94	88	770.0	13.2 11.5 173.0 15.00	33.0 28.8 57.7 2.000	230.7 16.3 4.3 13.2 196.9 770.0	186.5 770.0 -583.5 -583.5
PERIOD ENDING	OWNERSHIP 1) WORKING INTEREST, %	INVESTMENTS, M\$	OIL PHASE	GAS PHASE 12) GROSS GAS, MMF 13) NET GAS, MMF 14) GAS REVENUE, MS 15) GAS PRICE, \$/MCF	ECONOMICS, M\$	PRESENT WORTH @ 10.00 % 32) NET INCOME 33) INVESTMENTS & RISK 34) BFIT NET 35) CUM BFIT NET

DATE: 03/17/94 TIME: 17:22:13 DBS : DAILY FILE: GREAT2 SEQ : 5

ECONOMICS TAX ρĽ AFTE

1/1/1994 AS OF DATE:

PERIOD ENDING	12/94	12/95	12/96	12/97	12/98	12/99	12/00	12/01	12/02	12/03	s TOT	ER	40.4 YR TOTAL
TAX TREATMENT OF INVESTMENTS,	ÆNTS, MŞ			! !							1 	! ! ! !	
1) EXP, RISK & CAP 2) DEPLETABLE 3) DEPRECIABLE	462.0	000	0.00	000	000	000	000	000	000	ööö	462.0	000	462.0
TAX CALCULATIONS, M\$													
GROSS - SEVE	230.7 16.3	166.6 11.8	139.3	124.1	113.9		100.5	95.7 6.8	92.2		1258.0 89.1	1513.7 107.2	2771.7 196.2
1 +	17.5	17.5	17.0			16.4	16.3	16.2	16.1 .0	16.0	166.2	466.1	632.3
11	462.0		00	00	00	00	00		00	00			
11) - DEPRECIATION 12) = NET 13) - DEPLETION	13.7 -278.9	137.3	112.5				77.1	72.7				294.3 646.1	
14) - INTEREST PD & CAP 15) = TAXABLE 16) * TAX RATE, %	-278.9 34.0	137.3	112.5	98.6 34.0	89.3 34.0	82.4 34.0	77.1	72.7	69.5		527.0	646.1	1173.1
TAX - () - WPT = ()	0.0.0		0.0.0		0.04	٠. ۵	٠. ر	٠. ۲	, ,	, ,	· · · o		• • •
REVEN - OPR	, 4c		•	ຸ່ນ	່ທ໌ເ	8	, w.	80'4	່ ທ່າ	. 24		06.	75.
NPI OWNED F.I.T.	94.8	46.7	38.2	m	0	0 00	9	4	<u> </u>	2 0	79	219.7	98
11 1	291.7 .0		74.2	٠.	ά.	4.	· ·	ά.	5.	ω.	823.5		1544.3
1 11 1	291.7								45.9		· m c	720.7	44
9) = A.F.I.T. NET	-478.3	90.6	74.2	65.1	58.9	54.4	50.9	48.0	45.9	43.8	53.	720:7	774.3
PRESENT WORTH @ 10.00 %													
NET INC	276.4	78.1	57.8		37.6						13.		'n.
2) A.F.I.T. NET 3) CUM. A.F.I.T.	-493.6 -493.6	78.1 -415.5	57.8 -357.7	45.9 -311.8	37.6	31.4	$\frac{26.6}{-216.3}$	22.7 -193.6	19.6 -173.9	16.9 -157.0	-157.0	102.9	-54.1 -54.1

DATE: 03/17/94 TIME: 17:22:13 DBS : DAILY FILE: GREAT2 SEQ : 5

ECONOMIC INDICATORS

AS OF DATE: 1/1/1994

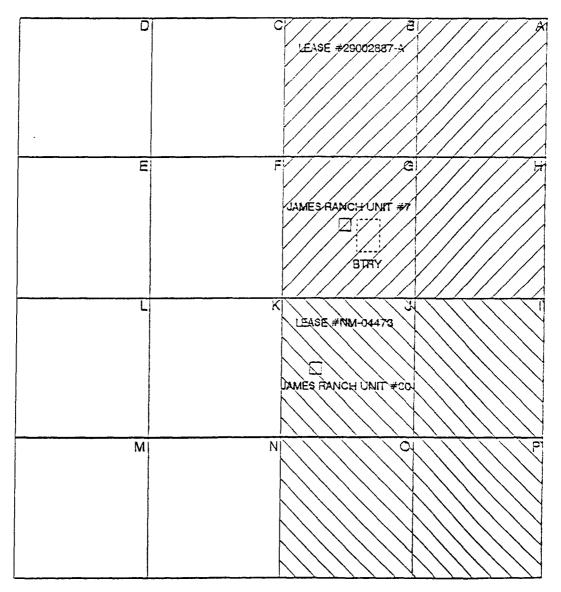
B.F.I.T. A.F.I.T. A.F.I.T. WORTH BONUS M\$-----

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

1173.111 227.331 -200.209 -282.2809 -337.836 -410.220 -475.739 -577.891 -547.134 -547.134					
774.253 174.253 174.253 173.466 1759.4641 1759.4641 1759.4641 1759.4641 1759.4641 1759.4641 1759.779 1759.779 1759.779 1759.779 1759.779 1759.779	8.9	8.79	40.42	2.01	.93
1173.111 415.699 415.699 -102.015 -215.266 -349.881 -349.881 -480.997 -518.908 -547.823 -570.735 -604.990	12.2	YRS. 6.69	YRS. 14.17	EST. 2.52	T. 1.10
1000.00.00.00.00.00.00.00.00.00.00.00.00	RATE OF RETURN, PCT.	UNDISCOUNTED PAYOUT,	DISCOUNTED PAYOUT, Y	UNDISCOUNTED NET/INVEST	DISCOUNTED NET/INVEST

NOTES

BASS ENTERPRISES PRODUCTION COMPANY
WELL LOCATION PLAT
JAMES RANCH UNIT #7 UNIT LETTER G, LEASE #29002887-A
JAMES RANCH UNIT #30 UNIT LETTER J, LEASE #NM-04473
EDDY COUNTY, NEW MEXICO



SECTION 6, T-23-S,R-31-E

Form 1607 (October 1990)

UND THE SAME PRODUCTION

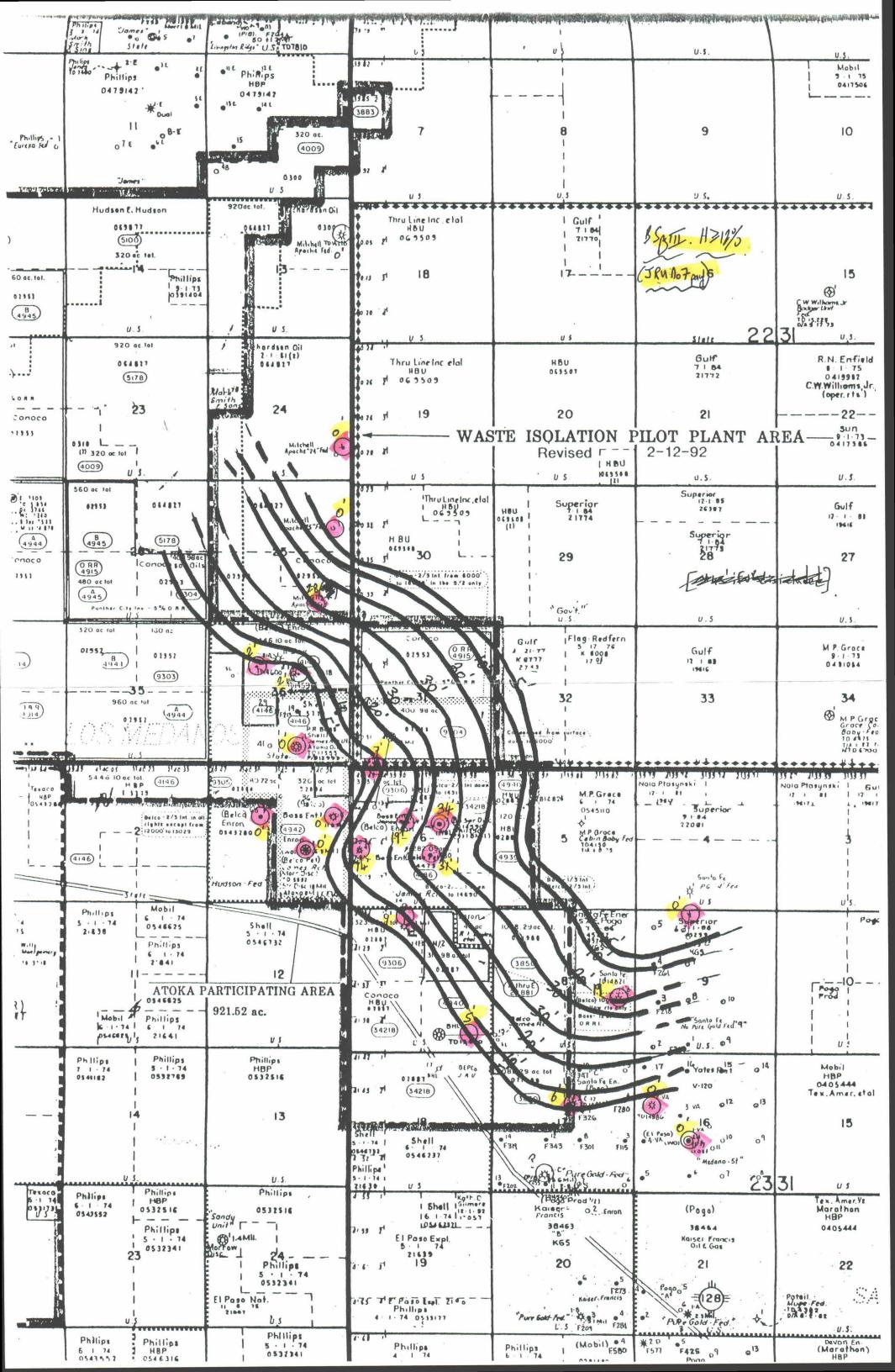
DEPARTMENT OF THE INTERIOR VED structions on reverse sales

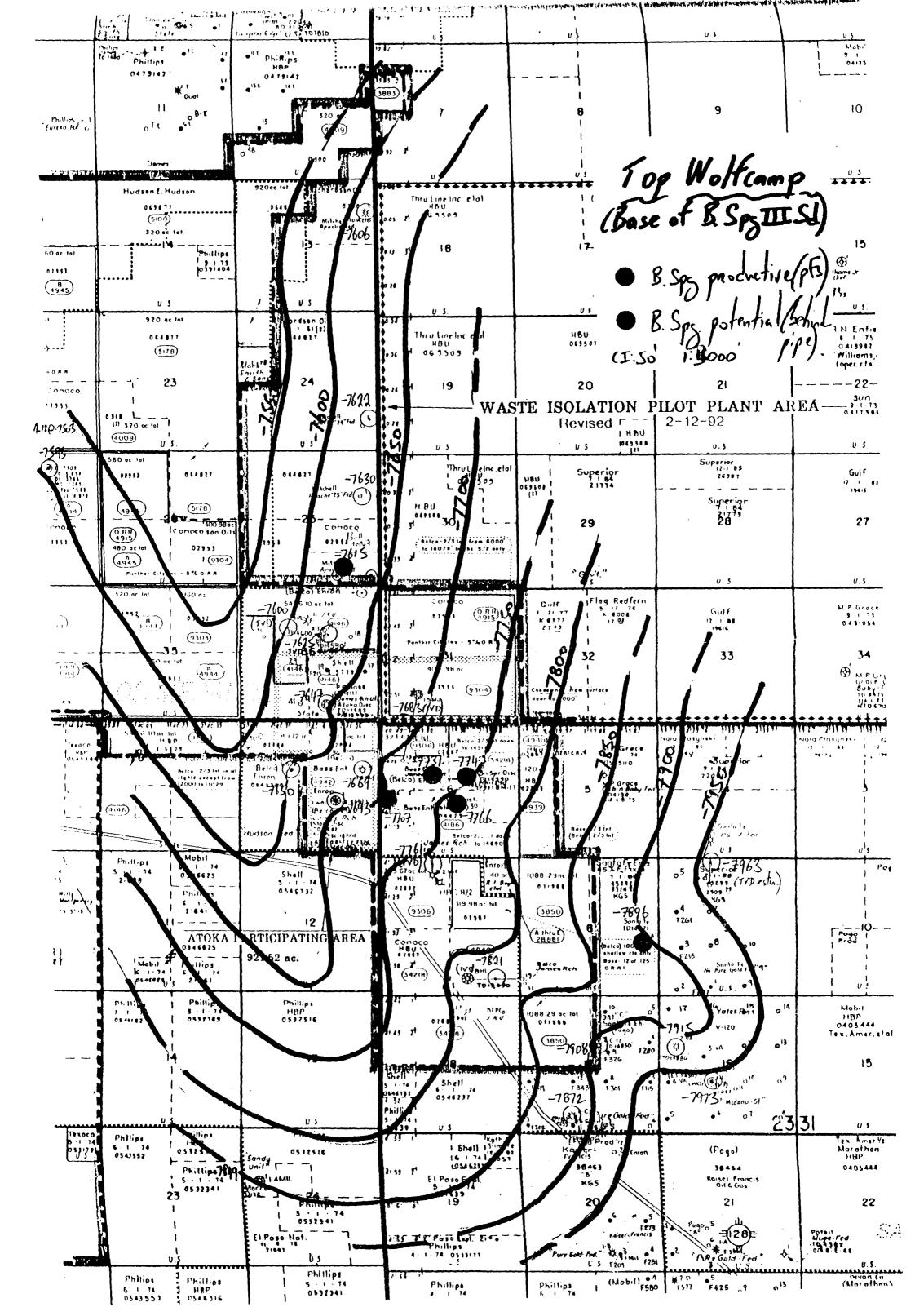
Expires: December 31, 1991

	December		_
	HOTTAN		NO

		BUR	EAU OF LA	AND MANA	AGE.MI	ENT					NMNM-04473		
WELL C	OMPLE	TION	OR RECO	MPLET	ION	REPORT	A	AD: FC	G *	d. IF INDIAN.	, ALL	OTTE OF THE NAM	
M 30 SEXT W		QII. WELL				biber				T. Chir Ages	EMEN	EHAP T	
L TYPE OF CO	MPLETTO	N:	14 7.1.4.			QALL			: :	JAMES RE	JAMES RANCH UNIT		
WEST. X	WORK	EN OKER	Puga 330%	DIFF		jpîther			\ \\ \	8. FARM OR LEASE NAME. VELL NO			
2 MAME OF GREE	LATO2		······································							JAMES_R	AMCI	IUNIT =30	
BASS ENTER			CTION CO.	•						3. APEWELL:			
J. ADDRESS AN										30-015-2			
P O BOX 27			_			.5) 683-2				10. MELD ASI	D 200	L. DE WILDCAT	
4. ACATION OF A	•		-				ireme:	*(2)*				OR MACK AND MURYER	
331 331123	T980'.	FSL, & :	2310' FEI	. CF UNI	كسا للا	THIER O				OR AREA		OR SECT. AND GODIE.	
At top prod. 1	aterval res	ported Selo	₩							SECREON	_	mona nim	
At total depth	SAME	13 43CT	<i>T∓</i> :							SECTION	ο,	T135, 31E	
			_	14. 252	2117 NO.		DATE	:38020		12 COUNTY OF	8	13. JTATE	
								·		EDDY		NM	
. DATE SPECOED	18. DAT	T.D. 354	CHED IT. DAT	TE COMPL. (.	Rezay :	(a prod.) 18				AT, 32, 27C.)*	13.	ELLY. CASINGEEAD	
10-13-93 . 1914t 3873, 38	7.2	<u>-11-93</u>	1	11-25-9		TIPLE COMPL		3121 G	ERVALE	ROTARY TOOL		CABLE TOOLS	
	סירה ב		MCK T.J., MD &	70	HOW M	IANT"	••		LLZD ST	,	1		
11.305' . PRODUCING INT	22VAL:3)	II.		P. 40770'4.	MIZ U EMAR			<u> </u>		<u> 101-11,305</u>		. VAN DIRECTIONAL	
					\.							NC	
1,023'-11	0421	(90 701	70)									.VC	
TIPE ELECTRIC								·		. 1:	27. 7	AS WELL CORRD	
R-CNL-LDT	יכ-כה	रर.—दबर,										YC	
	, <u></u>		CAS	ING RECOR	LD (Res	ort ill string.	g jes :	n well)					
CASING SIZE/GRADE	₩ EIG	87. LL/77.	DEPTH 31	ET (MD)	ao	LE SIZE		FOR OF CE	MENT, C	EMENTING RECORD		AMOUNT PULLED	
1 3/4"		<u>42</u>	520'		14	3/4"	<u> CI</u>	RC-390	SX	CL "C" NONE			
3 5/8"	_ 32	2#	3855'			11	1	RC-113				NONE	
5 1/2"	_ 1_	7 #	11,30	5'	7	7/8"	TC	<u> 3600</u>	<u>'-18</u>	40sx "c" "H		_ ИСИЕ	
MONE			NER RECORD				1	30.		TUBING RECOR	·		
NONE	K) 907		OTTOM (MD)	SACES CEN	(ENT.	SCREEN (M	D)	SIZE	<u> </u>	DEPTH SET (MD)		PACKER SET (MD)	
		-						2 7/	g" -	11.040		10,941'	
		-					i		-				
PERFORATION RE						32.	AC	ID. SHOT.	FRAC	TURK CEMENT	3QU:	eeel stc.	
" 454 GUN		•	-	PHASE	D	DEFTH INT	ERVAL	(AD)	A :	GEIZ GEA TEUOP	0F X	ATSRIAL USED	
CTAL 80 HC	نا جيدان	L,UZ3'-	11,043.			11,023'	<u>-11</u>	.0431	1500) GALS 7 1	/2%	HCI ACID	
									W/ADDITIVES			<u> </u>	
								!					
					ממפק	ECTION							
S FIRST PRODUCT	TON	PRODUCT	OH METHOD (Flowing, gas			ana :}	pe of pum	lp)			(Producing or	
1-25-03			OWING							zaut-	-	RODUCING	
S OF TEST	30028		CHOKE SIZE	PROD'N.		01L		GAS-MC	· y.	WATER—BEL		OITAL 110-EAU	
1-27-93	24	ļ	16/64	TEST PE		14		13		0		929	
W. 103040 PERM		PRESSURE	CALCULATED 24-HOUR RAT	Off88	t	GAS-	KCT.		WATER-	dSC. 0	IL GR	AVITY-API (CORE.)	
00	PACKE			14			13		0		UNI		
DISPOSITION OF G	AB (Sold,	used for fu	ii, vented, etc.)			AC		TED F	05 F	TEST WITHERS	ED BT		
ALES & LEA		<u> </u>					سيد	7777		9-11			
EDATTA TO TELL							rW.	USA)	H.S	אאאלל			
EA ABOVE L hereoy certify		(nremine :	nd stranban in	formerion !	E compi	ere and impre		determina	A ICC	sil available rec	ord=		
- never certify		. /	<u>4.145269</u> 18	OTTENDED			1		~ ********	The state of the s			
SIGNED	Houte	lour	R.C. HOU	ICHEM GI L	z <u>s</u> f	R. PRÓDUC		N CLE	łΚ.		12.	-7-93	
							3-1-	<u>್ರಾಗಳ</u>	ahan Jela	121100			

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







State of New Mexico Commissioner of Public Lands

RAY POWELL, M.S., D.V.M. COMMISSIONER

310 OLD SANTA FE TRAIL P.O. BOX 1148

(505) 827-5760 FAX (505) 827-5766

SANTA FE, NEW MEXICO 87504-1148

SLO REF NO. OG-1380

March 21, 1994

Bass Enterprises Production Company 1st City Bank Tower 201 Main Street Ft. Worth, Texas 76102

Attn: Mr. Jens Hansen

Re: 1994 Plan of Development

James Ranch Unit

Eddy County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You will be contacted at a later date regarding these possibilities.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY B. POWELL, M.S., D.V.M. COMMISSIONER OF PUBLIC LANDS

BY: FLOYD O. PRANDO, Director Oil and Gas Division (505) 827-5744

RBP/FOP/pm

cc: OCD -Roy Johnson

BLM

BASS ENTERPRISES PRODUCTION CO.

FIRST CITY BANK TOWER
201 MAIN ST.
FORT WORTH, TEXAS 76102
817/390-8400

January 24, 1994

Ok'd 2-24-94

Bureau of Land Management P. O. Box 1397 Roswell, New Mexico 88201

Attention: Mr. Armando Lopez

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

FEB 1 1 1991

Attention: Mr. Jim Baca

New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico

Attention: Mr. William LeMay

Re:

1994 Plan of Development

James Ranch Unit

Eddy County, New Mexico

Gentlemen:

In accordance with Section 10 of the James Ranch Unit Agreement dated April 22, 1952, Bass Enterprises Production Co., Operator of the referenced unit, hereby submits a Plan of Development for the James Ranch Unit for the year 1994.

HISTORY OF PAST DEVELOPMENT

We refer to our previous Plans of Development for a detailed description of the operations conducted in this Unit in prior years.

1993 ACTIVITY

James Ranch Unit Well No. 18 - This well was drilled at a location 1,980' FNL and 1,100' FEL with the bottomhole location being 1,980' FNL and 1,980' FEL of Section 36, T22S-R30E, Eddy County, New Mexico. The well was drilled to a total depth of 14,530' and completed as a commercial producer in the Morrow formation between the intervals 14,368' - 14,392'. The N/2 of Section 36 has been designated as a participating area for this well.

James Ranch Unit Well No. 17 - This well is currently drilling at a location 2,080' FNL and 1,980' of the west line of Section 6, T23S-R31E and projected to be drilled to a total depth of 11,300' to test the Bone Springs formation. The results of this well will be reported on the 1995 Plan of Development.

James Ranch Unit Well No. 30 - This well was drilled at a location 1,980' FSL and 2,310' FEL in Section 6, T23S-R31E, Eddy County, New Mexico. The well was drilled to a total depth of 11,305' and completed in Bone Springs formation in the intervals 11,023' - 11,043'. This well will be submitted during the calendar year 1994 for commercial determination and participating area.

<u>James Ranch Unit Well No. 19</u> - This well was drilled at a location 1,980' FSL and 1,980', FEL in Section 36, T23S-R30E, Eddy County, New Mexico. The well was completed in the Delaware formation as an oil well in the interval 6,727' - 6,729'. This well be submitted during the calendar year 1994, for commercial determination and a participating area.

James Ranch Unit Well No. 37 - This well is located 1,980' FSL and 660' FEL in Section 36, T22S-R30E and completed in the Delaware formation in the interval 7,529' - 7,660'. This results will be reported in the 1995 Plan of Development.

James Ranch Unit Well No. 36 - This well is drilling at a location 1,980' FNL and 1,860' FEL, Section 1, T23S-R30E, Eddy County, New Mexico to a projected depth of 7,800' to test the Delaware formation. The results of this well will be given on the 1995 Plan of Development.

PARTICIPATING AREAS

Bass Enterprises Production has submitted all wells drilled to date where adequate production information is available for commercial determination and participating areas. In the event you have not received commercial determinations for the wells that have been drilled and completed and are currently producing, please advise at your convenience and we will submit same to you.

FUTURE DEVELOPMENT

James Ranch Unit Well No. 29 - This well will be drilled at a location 2,310' FWL and 1,980' FSL in Section 36, T23S-R30E, Eddy County, New Mexico, and drilled to a projected depth of 8,000' to test the Delaware formation. The results of this well will be reported on the 1995 Plan of Development.

OFFSET OBLIGATIONS

Appropriate and adequate measures will be taken to prevent drainage of unitized substances from lands within the James Ranch Unit area or pursuant to applicable regulations.

MODIFICATIONS

In accordance with the terms and provisions of the James Ranch Unit Agreement, this Plan of Development may be modified from time to time as a result of changing conditions.

EFFECTIVE DATE

This Plan of Development shall become effective on January 1, 1994.

If this Plan of Development meets with your approval, please so indicate by signing in the appropriate space provided below and return one (1) signed original to us for our records.

JH:ca	Very truly yours, Jens Hansen Division Landman
ACCEPTED AND AGREED thi	day of, 1991.
	BUREAU OF LAND MANAGEMENT
	Ву:
	COMMISSIONER OF PUBLIC LANDS
	By:
	NEW MEXICO OIL CONSERVATION DIVISION
	By:

RAY B. POURLI.

COMMISSIONER

State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

P.O. BOX 1148 SANTA FE, NEW MEXICO 87504-1148

June 11, 1993

Bass Enterprises Production Company 1st City Bank Tower 201 Main Street Ft. Worth, Texas 76102

Attention: Mr. Jens Hansen

Re:

Morrow "B" Participating Area

James Ranch Unit Area Eddy County, New Mexico

Dear Mr. Hansen:

This office is in receipt of your application for approval of the Morrow "B" Participating Area for the James Ranch Unit, Eddy County, New Mexico.

Please be advised that the Commissioner of Public Lands has this date approved your application for the Morrow "B" Participating Area. Such participating area is based on the completion of the James Ranch Unit Well No. 18 located in the SW\(\frac{1}{2}\) of Section 36, T22S, R30E, NMPM, on March 12, 1993. The well produces from an interval of the Morrow Formation and was determined to be a paying well pursuant to Section 9 of the unit agreement by our letter of May 5, 1993.

The Morrow "B" Participating Area embraces 320 acres, more or less and is described as the $N\frac{1}{2}$ of Section 36, T22S, R30E, NMPM, and is effective March 12, 1993.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY B. POWELL

COMMISSIONER OF PUBLIC LANDS

BY:

FLOYD O. PRANDO, Director

Oil/Gas and Minerals Division

(505) 827-5744

RBP/FOP/pm

encls.

cc: Reader File

OCD V

BLM-Roswell, NM Attn: Armando Lopez

TRD

BASS ENTERPRISES PRODUCTION CO.

FIRST CITY BANK TOWER
201 MAIN ST.
FORT WORTH, TEXAS 78102
817/390-8400

May 24, 1993

Bureau of Land Management P. O. Box 1397 Roswell, New Mexico 88201

Attention: Armando Lopez

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

Attention: Floyd Prondo

New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

Attention: Bill LeMay

Re: Application for Approval of the

Morrow "B" Participating Area N/2 Section 36, T22S-R30E Eddy County, New Mexico

Gentlemen:

Bass Enterprises Production Co. as unit operator for the James Ranch Federal Unit Agreement dated April 22, 1953, pursuant to the provisions of Section 10 thereof respectfully submits for your approval of the following described lands to constitute the Morrow "B" Participating Area:

N/2 All of Section 36, T22S-R30E, containing a total of 320 acres of land. In support of this application the following numbered items are attached hereto and made a part hereof.

- 1. An ownership map showing thereon the boundaries of the unit area and the proposed Morrow "B" participating area.
- 2. A schedule describing the lands entitled to participation in the unitized substances produced from the Morrow formation with the percentage of participation of each lease or tract indicated thereon.

3. Geological and engineering report with accompanying geological maps supporting and justifying the selection of the participating area.

This proposed initial participating area is predicated upon the knowledge and information first obtained upon the completion in paying quantities under the terms of the unit agreement on March 12, 1993, of Unit Well No. 18 with the bottom hole location being 1,980' FNL and 1,980' FEL in the Morrow formation at a depth of 14,162' to 14,392'. The effective date of this Morrow "B" participating area shall be March 12, 1993, pursuant to Section 10 of the Unit Agreement.

Consequently, applicant respectfully requests your concurrence that the James Ranch Unit No. Well No. 18 is capable of producing in commercial quantities and further seeks your approval of the hereinabove selection of lands to constitute the Morrow "B" participating area to be effective March 12, 1993.

Very) truly yours

Jéns Hansen

JH:ca

cc: Enron Oil and Gas Company

P. O. Box 2267 Midland, Texas 79702 Attention: Mr. Pat Tower

pproved JUN 1 1 1993

COMMISSIONER OF PUBLIC LANDS

May 24, 1993 Page 3	
AGREED AND ACCEPTED this, 1993.	day
BUREAU OF LAND MANAGEMENT	
By:	
AGREED AND ACCEPTED this, 1993.	day
COMMISSIONER OF PUBLIC LANDS	
Ву:	
AGREED AND ACCEPTED this, 1993.	day
NEW MEXICO OIL CONSERVATION DIVISI	ON
By:	

JAMES RANCH UNIT -

INITIAL MORROW "B" PARTICIPATING AREA

	21	Tract #
	E-5229-4	Lease #
	N/2 Section 36, T22S, R30E	Description of Participating Lands
320.00	320.00	Participating Acres
100.00%	100.00%	% of Unit Participating
	Enron Bass St. of NM	Lease Ownership
100%	.5833 .2917 .1250	
100%	.5833 .2917 .1250	Unit Ownership
100%	66.66 7% 33.333%	Lease W.I. Ownership
100%	66.667% 33.333%	Unit W.I. Ownership

BASS ENTERPRISES PRODUCTION CO.

FIRST CITY BANK TOWER
201 MAIN ST.
FORT WORTH, TEXAS 76102
817/390-8400

May 24, 1993

Bureau of Land Management P. O. Box 1397 Roswell, New Mexico 88201

Attention: Armando Lopez

Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

Attention: Floyd Prondo

New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

Attention: Bill LeMay

Re: Application for Approval of the

Morrow "B" Participating Area N/2 Section 36, T22S-R30E Eddy County, New Mexico

Gentlemen:

Bass Enterprises Production Co. as unit operator for the James Ranch Federal Unit Agreement dated April 22, 1953, pursuant to the provisions of Section 10 thereof respectfully submits for your approval of the following described lands to constitute the Morrow "B" Participating Area:

N/2 All of Section 36, T22S-R30E, containing a total of 320 acres of land. In support of this application the following numbered items are attached hereto and made a part hereof.

- 1. An ownership map showing thereon the boundaries of the unit area and the proposed Morrow "B" participating area.
- 2. A schedule describing the lands entitled to participation in the unitized substances produced from the Morrow formation with the percentage of participation of each lease or tract indicated thereon.

3. Geological and engineering report with accompanying geological maps supporting and justifying the selection of the participating area.

This proposed initial participating area is predicated upon the knowledge and information first obtained upon the completion in paying quantities under the terms of the unit agreement on March 12, 1993, of Unit Well No. 18 with the bottom hole location being 1,980' FNL and 1,980' FEL in the Morrow formation at a depth of 14,162' to 14,392'. The effective date of this Morrow "B" participating area shall be March 12, 1993, pursuant to Section 10 of the Unit Agreement.

Consequently, applicant respectfully requests your concurrence that the James Ranch Unit No. Well No. 18 is capable of producing in commercial quantities and further seeks your approval of the hereinabove selection of lands to constitute the Morrow "B" participating area to be effective March 12, 1993.

truly yours

Jens Hanse

JH:ca

cc: Enron Oil and Gas Company

P. O. Box 2267

Midland, Texas 79702 Attention: Mr. Pat Tower

May 24, 1993 Page 3
AGREED AND ACCEPTED this day of, 1993.
BUREAU OF LAND MANAGEMENT
By:
AGREED AND ACCEPTED this day of, 1993.
COMMISSIONER OF PUBLIC LANDS
By:
AGREED AND ACCEPTED this 1993.
NEW MEXICO OF CONCEDENT PROPERTY

CAMPBELL, CARR, BERGE 8 SHERIDAN, P.A.

LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P SLATTERY

PATRICIA A. MATTHEWS
MICHAEL H FELDEWERT
DAVID B LAWRENZ

JACK M CAMPBELL
OF COUNSEL

JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208

SANTA FE, NEW MEXICO 87504-2208

TELEPHONE (505) 988-4421

TELECOPIER: (505) 983-6043

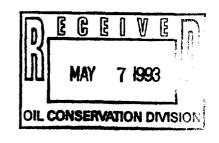
May 7, 1993

HAND DELIVERED

Mr. Gary Carlson, Deputy
Commissioner of Public Lands
New Mexico State Land Office Building
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Re:

Enron Oil & Gas Company James Ranch Unit No. 18 Morrow B Participating Area Eddy County, New Mexico



Dear Mr. Carlson:

Enron has received a copy of Bass Enterprises Production Co.'s letter to you of April 29, 1993, concerning Bass's application for a 640-acre participating area in Section 36, Township 22 South, Range 30 East, N.M.P.M., Eddy County, New Mexico. We feel that clarifying several points in Bass's letter will assist your resolution of this issue.

First, Bass implies that a meeting scheduled for April 16, 1993 to review well data related to the James Ranch Unit No. 18 was cancelled because both Enron and Bass "were intransigent on their respective positions as to the size of the participating area and that further discussions would be futile." Gary Thomas, the Enron vice president who spoke to Jim Greave, Bass's vice president, on April 14, 1993, has a different recollection of that conversation. Mr. Thomas recalls that Mr. Greave told him that Bass was not interested in the April 16 meeting. Following the phone conversation between Mr. Thomas and Mr. Greave, Enron remained receptive to holding the meeting, but Bass refused to go through with it.

Second, Enron's data on the James Ranch Unit No. 1 indicates that that well is not currently producing from the Atoka formation. In fact, the James Ranch Unit No. 1 has produced only two months since July, 1991. In October 1991, it produced 9890 MCF, and in

Mr. Gary Carlson May 7, 1993 Page 2

September 1991 it produced 1493 MCF. Enron agrees with Bass's statement that "it would be imprudent to abandon a highly profitable producing formation." However, in effect, Bass has done just that, by not producing the James Ranch Unit No. 1 Atoka formation, despite requests by Enron to return the well to production. Bass suggested to Enron on April 13, 1993 to re-test the Morrow in the James Ranch Unit No. 1. Bass now states that it could not re-enter the James Ranch Unit No. 1 because it is producing commercial quantities. Enron believes that Bass has retreated from its proposal to re-test the James Ranch Unit No. 1 because Bass fears that the results will prove that the S/2 of Section 36 is not commercially productive in the Morrow and should not be included in a participating area with the N/2. Bass's attempt to justify its reluctance to re-test the James Ranch Unit No. 1 Morrow formation is merely a smokescreen for its effort to expand the participating area of Section 36 and dilute Enron's interest in the commercially productive James Ranch Unit No. 18. Enron believes that Bass has withdrawn their proposal to drill a new well for the same reason.

Enron firmly believes that the technical data it has sent to the Commission supports our position that the S/2 of Section 36 should not be included in the Morrow participating area for the James Ranch Unit No. 18 until the S/2 is proven commercially productive.

Very truly yours,

DAVID B. LAWRENZ

ATTORNEY FOR ENRON OIL & GAS COMPANY

DBL:bh

cc:

Mr. Floyd O. Prando

Director of Oil & Gas Division

New Mexico State Land Office Building

310 Old Santa Fe Trail

Santa Fe, New Mexico 87501

Jami Bailey

Petroleum Engineer

New Mexico State Land Office Building

310 Old Santa Fe Trail

Santa Fe, New Mexico 87501

HAND DELIVERED

HAND DELIVERED

Mr. Gary Carlson May 7, 1993 Page 3

HAND DELIVERED

Pete Martinez
Petroleum Engineer Specialist
New Mexico State Land Office Building
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Bureau of Land Management Post Office Box 1397 Roswell, New Mexico 88201 Attn: Armando Lopez

Mr. William J. LeMay New Mexico Oil Conservation Division New Mexico State Land Office Building 310 Old Santa Fe Trail Santa Fe, New Mexico 87501

Mr. Jens Hanson Bass Enterprises Production Co. 201 Main Street, Suite 3100 Fort Worth, TX 76102 HAND DELIVERED



State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

P.O. BOX 1148 SANTA FE, NEW MEXICO 87504-1148

May 5, 1993

Bass Enterprises Production Company First City Bank Tower 221 Main Street Fort Worth, Texas 76102

Attn: Mr. Jens Hansen

Re: James Ranch Unit Well Nos. 1 and 18

Morrow "B" Participating Area

Sec. 36-T22S-R30E

Eddy County, New Mexico

Dear Mr. Hansen:

Your application for approval of the Morrow "B" Participating Area for the James Ranch Unit, Eddy County, New Mexico has been received. Subsequent to your application an objection was filed by Enron Oil and Gas Company in opposition to your application.

This office has considered all data and statements presented by Bass Enterprises Production Company and Enron Oil and Gas Company regarding the commercial determinations of the James Ranch Unit Well Nos. 1 and 18. The production and economics were evaluated for each well and we concur with your determination that the James Ranch Unit Well No. 18 is capable of producing unitized substances in paying quantities and the establishment of the Morrow "B" Participating Area.

Upon consideration of the data submitted regarding the James Ranch Unit Well No. 1, it has been determined that this well is not now capable of producing unitized substances from the Morrow in paying quantities. Therefore, this well should not be included in the Morrow "B" Participating Area.

In view of the above, please re-submit your application for approval of the Morrow "B" Participating Area based upon the successful completion of the James Ranch Unit Well No. 18. The participating area will be based upon the current spacing as set by the New Mexico Oil Conservation Division for the Los Medanos Morrow Pool for the Well No. 18 and is described as the N/2 of Section 36, Township 22 South, Range 30 East, containing 320.00 acres.

Bass Enterprises Production Company May 5, 1993 Page 2

Enclosed is your unapproved application for the above mentioned participating area.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA COMMISSIONER OF PUBLIC LANDS

BY: Tomple fruit FLOYD O. PRANDO, Director Oil/Gas and Minerals Division (505) 827-5744 JB/FOP/pm encls.

cc: Reader File
OCD
BLM-Roswell, NM Attn: Armando Lopez
Enron - Attn: Mr. Patrick J. Tower
William F. Carr



State of New Mexico

. OFFICE OF THE

Commissioner of Public Lands

Santa Fe

P.O. BOX 1148 SANTA FE, NEW MEXICO 87504-1148

SLO REF NO. OG-1298

April 26, 1993

Bass Enterprises Production Company 201 Main Street 1st City Bank Tower Ft. Worth, Texas 76102

Attn: Mr. Jens Hensen

Re: 1993 Plan of Development

James Ranch Unit

Eddy County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You will be contacted at a later date regarding these possibilities.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA

COMMISSIONER OF PUBLIC LANDS

BY: You'ld rived

FLOYD O. PRANDO, Director Oil and Gas Division

(505) 827-5744

JB/FOP/pm cc: OCD BLM

ENRONOil & Gas Company

P.O. Box 2267 Midland, Texas 79702 (915) 686-3600

April 21, 1993

Gary Carlson, Deputy Commissioner of Public Lands New Mexico State Land Office 310 Old Santa Fe Trail Santa Fe, New Mexico 87501

> RE: Enron Oil & Gas Company James Ranch Unit No. 18 Morrow B Participating Area Eddy County, New Mexico

Gentlemen:

Enron Oil & Gas Company respectfully submits the following data and believes that it conclusively shows that the proper PA for the James Ranch Unit No. 18 is the N/2 of Section 36 being approximately 320 acres.

- 1. Net sand isopach maps and Phi-h maps for the Lower Morrow B sand and the Morrow D₂ sand.
- 2. Structure map on the Lower Morrow marker.
- 3. Stratigraphic cross-section A A...
- 4. Written discussions of geology and maps.
- 5. Morrow completion chrons for the James Ranch Unit No. 1, James Ranch Unit No. 18 and Hudson Federal No. 1.
- 6. Written summary of the completion attempts.
- 7. Comparison of Morrow completion results and conclusions.
- 8. P/Z vs production plot for the James Ranch Unit No. 18.
- 9. Volumetric calculations and drainage area for the James Ranch Unit No. 18.
- 10. Economic calculations for a commercial determination.
- 11. Letters from the well file by Shell confirming the Morrow was tested non-commercial on James Ranch Unit No. 1.

The data contained herein will show that the Morrow sands have been found commercial in the James Ranch Unit No. 18. Most of the production is from the Lower Morrow B₂ sand which is not developed in other area wells. Some of the production is from the B₁ and D₂ sands. The sands are at least 60' updip to the James Ranch Unit Nos. 1 and 13 and that this may explain the presence of well developed sands in the James Ranch Unit No. 18. The drainage area of the production is almost entirely confined to the north 320 acres of the section. The James Ranch Unit No. 1 extensively tested the Morrow sands and found them non-commercial in the south 320 acres of Section 36. The most reasonable PA for the James Ranch Unit No. 18 is the north 320 acres of Section 36. If Bass believes the S/2 to be commercial then they should prove it by drilling or reentry.

We would be available for a meeting to explain our data contained herein or you may call the undersigned if you have any questions or need more data.

Thanks for your consideration in this matter.

Sincerely,

Pat Tower

Project Landman

Randy S. Cate

Project Reservoir Engineer

Barry L. Zinz

Geological Specialist

~

Mr. Floyd OP w/o New Mexico State Land Office Bldg. 310 Old Santa Fe Trail Santa Fe, NM 87501

Armendo Lopez Wattachments Bureau of Land Management P.O. Box 1397 Roswell, NM 88201

Bill LaMay wfo NMOCO P.O. Box 2088 Sants Fe, NM 87501

Jens Hansen w/o Bass Enterprise Prod. Co. First City Bank Tower 210 Main St. Fort Worth, TX 76102

Jami Balley w/o New Mexico State Land Office Bldg. 310 Old Santa Fe Trail Santa Fe, NM 87501

m; hypdocs\cate\h198rcw

Geological Discussion

Enron Oil & Gas Company (EOG) is submitting the N/2 of Section 36-22S-30E, Eddy County, New Mexico (320.28 acres) for consideration as the next Morrow Participating Area (PA) in the James Ranch Federal Unit operated by Bass Enterprises Production Company. EOG is currently flow testing the James Ranch Unit No. 18 well (BHL 1,980' FNL & 1,980' FEL, Section 36) from Morrow perforations after drilling to a total depth of 14,530' in the Morrow formation. This latest unit well was a redrill of the James Ranch Unit No. 11 (N/2 Section 36). Based on electric log calculations, the James Ranch Unit No. 11 was considered productive in the Morrow sands but due to mechanical problems in the borehole the well was plugged back and completed in the Atoka sand.

The Los Medanos Field lies within a portion of the James Ranch Federal Unit and is productive from Delaware, Bone Spring, Strawn, Atoka, and Morrow reservoirs. This field is situated along a faulted anticlinal ridge and the N/2 of Section 36 represents the highest structural position in the field (refer to Lower Morrow structure map).

Several Morrow sands are productive in the Los Medanos Field area and the accompanying stratigraphic cross-section A-A', which incorporates the majority of unit wells, illustrates correlations from the Morrow C sand through the lower Morrow sands. Completion information pertaining to each well is also included on the cross-section. Also enclosed are net sand isopach maps for the Morrow D2 sand and lower Morrow B sands since these sands are the primary producing zones in the James Ranch Unit No. 18 (refer

to cross-section). In addition, Phi H maps (porosity x pay height) for the same Morrow sands are included. These maps relate to the volumetric calculations presented in the engineering portion of the report and show the majority of produceable gas reserves are in the N/2 of Section 36.

The James Ranch Unit No. 1 (S/2 Section 36), originally drilled by Shell Oil Company in 1958 is the key well in establishing the boundary of the subject Morrow PA. This well production tested non-commercial in the lower Morrow B and Morrow D sands (refer to cross-section). Porosities in this well are considerably lower than in the James Ranch Unit No. 11 and No. 18 (refer to Phi H maps). It is recognized that working with old electric logs of 1950 vintage is difficult at best; hence, Mr. George Horst, a consulting log analyst retired from Schlumberger, was employed in determining the porosities in the James Ranch Unit No. 1. Mr. Horst began his career with Schlumberger in the 1950's and is very familiar with the old logs.

The James Ranch Unit No. 1 also has a microlog over the Morrow formation. This type of log is used to determine permeability based on mudcake in the wellbore. The mudcake is formed when drilling fluid invades the formation. Several of the Morrow sands show mudcake, but a closer look reveals some of these zones have little to no porosity. Since the Morrow section in this well was drilled in excess of 4,000 pounds over balanced, the mudcake probably indicates drilling induced invasion near the wellbore and not naturally permeable rock. Also of interest is the depth of investigation of this tool which is two inches.

EOG believes that the Morrow production tests in the James Ranch Unit No. 1 does not indicate formation damage due to invading drilling fluids, but are indicative of reservoirs that are not capable of producing commercial quantities of natural gas because of inadaquate porosities and permeabilities. Geological and engineering data support the exclusion of the S/2 of Section 36-22S-30E from the next Morrow PA in the James Ranch Unit.

Comparison of the Morrow "B" Sand Completion Results for the James Ranch Unit No. 18, James Ranch Unit No.1, and the Hudson Federal No. 1

WELL NAME	JAMES RANCH UNIT NO. 18	JAMES RANCH UNIT NO. 1	HUDSON FEDERAL NO. 1
OUTCOME	Commercial	Non-Commercial	Non-Commercial
TEST AFTER PERFORATING	1,700 MCFD at 1,580 psig FTP	Flowed intermittently 150 MCFD at 100 psig FTP *	1,400 MCFD at 200 psig FTP
TEST AFTER ACID	3,145 MCFD at 1,000 psig FTP	100 MCFD at 50 psig FTP	Swab and flow estimated 360 MCFD for 2 weeks
TEST AFTER FRACTURE TREATMENT	6,000 MCFD at 3,200 psig FTP	250 MCFD at 75 psig FTP	Fractured with other Morrow perfs. Swabbed. Blow of gas.
MAX POROSITY "B- 2" SAND	10.5%	5.2%	6.0%
POROSITY X HEIGHT IN "B-2" SAND	1.02	.16	.51

EOG believes the development of the "B-2" sand is the key to commercial production in the Morrow formation. Maximum porosity and porosity x height of sand values show why the James Ranch Unit No. 18 has resulted in a commercial Morrow producer while the James Ranch Unit No. 1 and the Hudson Federal No. 1 resulted in non-commercial tests. The Phi-H contour map of the "B-2" sand shows that most of the produceable reserves are situated in the N/2 of Section 36.

Discussion of the Morrow Completion on the EOG, James Ranch Unit No. 18

The Lower Morrow B, and B₂ sands were perforated from 14,368' to 14,392' with a 1-11/16" gun on March 9, 1993. Broke down with 2% KCL. Jetted hole with N₂ and well began flowing. Flowed well approximately 10 hours at 1,700 MCFD with FTP of 1,580 psig. (See 3-11-93). Well was stable last 3 hours (3-12-93 chron). Well was acidized with 2,000 gal 7.5% HCL energized with N₂. After acid, the well cleaned up to 3,145 MCFD at 1,000 psig FTP (3-13-93 chron). On March 18, 1993 the Lower Morrow "B" sands were fracture treated with 28,000 gals of Methanol/CO₂foam carrying 17,600 lbs. of sand. The zone responded flowing 6,000 MCFD at 3,200 psig FTP. On March 30, 1993, the well was shut in and the "D-2" sand perforated from 14,162'-168' and returned to sales. Up to 1,000 MCFD was seen from the "D" sand based on rates and FTPs before and after perforating the sand. An EUR of 3.2 BCF has been derived from a measured BHP on initial completion (3-16-93 chron) and a SITP after producing approximately 190,000 MCF. EOG agrees that the well should be considered a commercial producer as defined in the Unit agreement.

Discussion of the Morrow Completion on the Shell, James Ranch Unit No. 1

The Lower Morrow B sands were perforated from 14,270'-295' on January 15, 1958. The well flowed from 800 MCFD down to 195 MCFD at 0 psig in three hours. Flowed and SI daily for seven days while averaging 150 MCFD at 100 psig FTP. Very slow build up on SITP over 43 hours (1-19-58 chron) indicates very low permeable rock, not damaged rock. Well was acidized with 500 gals of 7.5% HCL and flowed back at 100 MCFD at 50 psig FTP. Fixed packer leak. Fracture treated with 10,000 gal gelled crude oil. Swabbed dry for two days. Added Morrow perforations from 14,030'-299'. Flowed gas a 175 MCFD at 60 psig FTP down to 142 MCFD at 150 psig FTP two days later. Acidized Morrow perfs with 1,000 gals. of 7.5% HCL. Good breaks. Swabbed and flowed for three days at average of 250 MCFD at 75 psig FTP. Set CIBP at 13,980 with one sack of cement. Perforated upper Morrow from 13,742'-900'. Hand flowed two days with no recovery. Set CIBP at 13,000'. Abandoned Morrow as non-commercial and went to the Atoka sand at 12,920'-929' (see Shell's letters deeming the Morrow to be noncommercial). A more recent completion attempt in the Hudson Federal No. 1 (N/2 of Sec. 1) resulted in a non-commercial test and is shown in the completion comparison table.

Volumetric and Economic Calculations

for the James Ranch Unit No. 18

The P/Z vs. Production plot shows that the James Ranch Unit No. 18 will produce 3,200 MMCF. The table below shows volumetric drainage calculations for three possible pay scenarios and uses the phi x h values that have been mapped.

Pay Sand	øхн	Number of Acres Extent		
"B-2" Only	1.02	360.1		
"B-2" & "B-1 "	1.20	306.1		
"B-2", "B-1" & "D-2"	1.92	191.3		

The table shows that even if all the gas is coming from the "B-2" sand, then the drainage is still almost entirely confined to the N/2 of Section 36. If the "B-1" and "D-2" sands contribute according to their porosity x height values then the drainage can be entirely confined to the N/2 and thus fits very well with the completion results of the James Ranch Unit No. 18 and No. 1. EOG believes that Bass should first have to drill a well or reenter the James Ranch Unit No. 1 and prove the S/2 commercial before it is included in this PA.

Economic Calculations and Discussions

The James Ranch Unit No. 18 will cost approximately \$2,000,000 once all cost are included (see chrons). By definition in the Unit Agreement, the well must pay back all drilling, completion, and

operating costs plus a reasonable profit to be considered "commercial" for PA determination.

At \$1.80/MCF (net of gathering fees, taxes, etc) and 1.5 profit/investment (minimum by industry standards) a well must be capable of producing approximately 1.9 BCF gas.

\$2,000,000 x 1.5 \ \$1.80/mcf \ \ .875 NRI = 1,904,762 MCF

It is not reasonable to conclude that the James Ranch Unit No. 1 could have been a commercial producer.

							}
	8						
	20						
3							1
	<i>_</i>					11.11	•
W T						/	
							}
	M					7	3.5
	20					#	
3 3						/	
2 10							3.0
Z M							
3 3	3				<i></i>	17111711111111	80
							N
N N	P ₂						2
	.0.				-/		17
0 3					/		
	4						4
							4
				- /			
5				=-/-		:	77
							}
7					1 1 1 1 1 1		5,0
2				/	: : ::: <u>1</u> ::::-=::		T
							(2
					 		180
				##			E 3
				+/			5. B.
							7
				/			9:
			/				1.4 1.6
			/				7
			/				ء 1.4 1/6
			/				ت 1.4 1/6
							1,2 1.4 1.6
							1.0 1.2 1.4 1.6
							1,2 1.4 1.6
							1.0 1.2 1.4 1.6
							1.0 1.2 1.4 1.6
							.8 1.0 1.2 1.4 1.6
							7, 8. 1.0 1,2 1.4 116
							.8 1.0 1.2 1.4 1.6
							71 9.1 2.1 0.1 8. 3.
							71 9.1 2.1 0.1 8. 3.
							711 \$11 211 0.1 8. 3. 4. 2. 1
							71 4'1 2'1 0'1 8· 9· 4·
							711 4.11 2.11 0.11 8. 3. 4. 2. 1
							71 41 21 01 8. 9. 4. 2. 1.

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-122 Revised 4-1-91

Submit in duplicate to appropriate district office See Rule 401 & Rule 1122

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Oper	ntor .							· FU	INT BACK	PKES	Lesse	or Unit Name			للل	· · · · · · · · · · · · · · · · · · ·
	Test_	EN	RON OI	L &	GAS C	OMPA	NY				Ja Test I	mes Ranc	h Unit	18 Well No		
1	L	X Initia	1		Annoel		Spec				4/	7/93		1	1	
Com	317	Pate 93		Total	Depth 4,530			Plug	Back TD 14,445		Eleval 33	tion 344' KB		Unix Ltr	Sec 1 36 2	WP - Rge. 2s 30e
Csg.			WL	d		Set At		Parlo	rations:					County		
4	<u> </u>		15.10	3.	826	14,	527	From	14,368	}	To:	14,392		Edd	У	
Tog.	Size		⁷ 7.9	d 2.	323	Set At		Perío	ntions:			·		Pool		
2 7	7/8		9.5	2.	151	11,2	77	From	OPEN		To:	ENDED		Los	Medano	8
Туре	Well .	Single	-Bradenh	cad - G	.G. or G.0	. Muhi	iple		Packer Set	At 11,	277			Formati		Morrow &
Produ	icing]	Dru	Reservoir 218	Temp.	F Mear	Anny	al Temp.	ę.	Baro, Press	. P				Connec		
L	3G	H	218 6		68	<u>* (2)</u>			% N ₂	*13.		Prover		El P Maer R	aso Nat	
1436	8	14	368	G ₈	4	1	². 20		. 15	713	2	1.00		4.02	6	Tapa FLG
	2		F Orific	LOWI	DATA		Diff	 -				G DATA	C	ASING		Duration
NO.	Prove				Pres p.s.i.		h,		Temp.	Press		Temp.	Pres p.s.i		Temp.	of Flow
SI	Size		Size		-					4017		•	PKR			13 Hrs.
1.	4		2.500		570		8.0		106	3903			11			l Hr.
2	4		2.500		650		28.0		74	3670			11			1 Hr.
3.	4		2.500 2.500		730 800		60.0 84.0		72 67	3267 2914			11			1 Hr.
3.					333		34.0			2714						, ni.
									E OF FLOW C.				·			
NO.		EFFICI 4 HOU		~	h_P_	•		P _m	Flow 1	Comp. v Ft.		Gravity Factor Fg.		Compress. or, F pv.		te of Flow Q, Mcfd
1.		2.64			8.31		583		.958			1.320	1.0			908
2.		2.64 2.64			6.27 1.17		663 743	. 2	.986		-	1.320	1.0		6,	066
3. 4.		2.64			1.36		813		.993		-	1.320	1.0			463 86 8
5.															1	
NO.	1	7	Temp.	•R	T		Z		ias Liquid Hydro			Dry				Mc/bbl.
1.		. 8 6	566		1.64		.940	\exists	LP. L Gravity of Specific Gravity S	Liquid Hy	drocari	57/	Dry		1 2 2 2	Deg.
2.		. 98	534		1.54		.912	s	pecific Gravity F	lowing Flo	nid		xxxx	<u> </u>	XXX	XXXXXX
3.		. 09 . 20	532 527		1.54		.903	\dashv	ntical Pressure_	*	67	6		P.S.L.	۸	P.S.I.A.
<u>4.</u> 5.			1						initical Temperatu	ire	34.)		لـــــا	R	R
P _e	40.	30.2	P 2	162	42.5											
NO.		P. 2	P,	, 1	P, 2		P. 2 · P.	2	1) P _c ²	<u> = 3</u>	. 14	3	(2)	P _c 2	.] •=_	2.262
1.			3936	.7	15497.		745.		$P_e^2 - P_w^2$!			P	² - P ₂ ²		***************************************
2.			3775		14253.		1989.0		105 0		2	- • •	E 250		=	
3.			3519		12386. 11074.		3856.0 5168.5		AOF = Q	$\frac{P_c}{P_c^2}$	<u> </u>	_ = _2	0,650			1
4. 5.			3321		. 10,77.		-100.			L P.	· ۲,*	1				
	xe Ope	n Flow	2	5,850)			M	#4 @ 15.025	Angle	of Slop	eθ <u>54.</u>	5	SI	lope, n	713
Remar	ks:	No	fluid	proc	luced	duri	ng te	st								
		rect	ed to	1.20	z co		**	Ca	lculated d	eff 2	2 7/	8 - 11277	7 &	3091'	41 to	14368'
Appro	ved By	Divisio	XG			arre		vice	es, Inc.	alculated Bo	-	irray		Checked Bob	By: Murray	
																

JAMES RANCH UNIT NO. 18 (DW-TGS)
BHL: 1,922.42' FNL & 2,132.01' FEL
0 TVD 14,307.76'
Surface: 1,980' FNL & 1,100' FEL
Section 36, T22S, R30E
Eddy County. New Mexico

Los Medanos

03-10-93

03-12-93

AFE No. 004293 DHC: \$1,432,500 CWC: \$1,862,600 SC No. N/A

E06%: 66.66667% WI 58.33333% MRI

Oper: Enron 011 & Gas Company

14.6000' Morrow

TD 14,530'; 10-3/4 hrs run 2-7/8" tbg; 3-1/4 hrs space out & displace w/pkr fluid; 1 hr displace tbg w/nitrogen 5,200 scf, 3200 psi; 2 hrs ND; 1-1/2 hr NU tree; 1/2 hrs test WH 8,000#; 6 hrs RD; rig release at 12:00 midnight 03/01/93. EDWC: \$31,360 ETWC: \$1,519,953

03-03-93 (86) PRESENT OPERATION: <u>RDRT</u>
TD 14,530'; rigging down; will set out rig 03-04-93. EDWC: \$163,264 ETWC: \$1,747,959

SITP 2,900 psi. Bled down N2 displacement in tbg in 1-1/2 hrs. 3-3/4 hrs RU Schlumberger WL BOP's & lub test to 8,000 psi. 3-3/4 hrs RIH w/1-11/16" Enerjet gamma gun & MWP tool. Initial FL 0 8,200'. Loaded tbg w/39.3 bbls 2% KCL. Final FL 0 700'. BHP 6,016 psi 0 14,361'. Perf Lower Morrow 14,368' - 14,382' (56 holes), and 14,389' - 14,392' (12 holes) w/4 SPF 0 0 deg phasing, 1 decentralized. Total of 68 holes. Pulled tool 10' to 14,350'. Wait 40 min. No change in BHP or temp. P00H. Gun fired ok. RD Schlumberger. 2-1/4 hrs RU Howco. Pressured 2-7/8" x 7" annulus to 2,000 psi. Caught fluid in tbg w/3.2 bbls broke perfs w/5,500 psi. Pressured dropped to 3,130 psi while pumping 0 1/2 BPM. Pressure built to 3,680 psi. Pumped 5 bbls 0 6/10 BPM w/3,640 psi. ISIP 3,600 psi. RD Howco. Bled pressure off annulus. 1 hr opened well to production unit w/540 psi. Dropped to 0 psi. No flow after 1 hr. SWI. 13-1/4 hrs SI. EDWC; \$15,199 ETWC; \$1,741,830

4-3/4 hrs SITP O psi. RU Howco 1-1/4" CTU. RU choke, dig burn pit & lay lines. RU valve & flowback tank. 3-1/4 hrs RIH w/l-1/4" coiled tbg, jetted to 14,103' (265' above perfs) w/350 - 375 SCFM N2. 3 hrs jetting to unload hole. Gas to surface 1700 hrs. Fluid recovery TSTM. Rec 95 bbls. Load to perfs 103 bbls. 2-1/2 hrs POOH w/CT to 10,000'. Shut down N2. POOH w/CT flowing to pit on 16/64" choke w/1,400 psi, est 2,087 MCF. 1/2 hr SWI RD CTU, SITP built to 1,900 psi in 20 min. 7 hrs opened well to to prod. unit on 14/64" choke, FTP 1,910 - 1,700 psi, MCF 1,464, no fluid recovery. 3 hrs flow to unit on 15/64" choke, FTP 1,670 - 1,500 psi. MCF 1,680. No fluid recovery. EDMC: \$7,958 ETMC; \$1,749,788

3 hrs flow to prod unit on 15/64" choke, FTP 1,590 - 1,580 psi. MCF 1,717, no fluid recovered. 1-1/2 hr RU Howco & kill truck. Pressured annulus to 2,000 psi.

JAMES RANCH UNIT NO. 18 (DW-TGS)
BHL: 1,922.42' FNL & 2,132.01' FEL

• TVD 14,307.76'

)3-17-93

Surface: 1,980' FNL & 1,100' FEL

Section 36, T22S, R30E Eddy County, New Mexico Los Medanos Oper: Enron 011 & Gas Company 14.6000' Morrow E06%: 66.66667% WI 58.33333% NRI AFE No. 004293 DHC: \$1,432,500 CWC: \$1,862,600 SC No. N/A

SITP 2,550 psi in 35 min. Pumped 2,000 gal MOD 101 & 200 gal methanol w/4 gpt SSO - 21 & 750 SCF/bbl N2. Dropped 40 balls. Flushed w/57 bbls treated 2% KCL & 1,500 SCF/bbl N2. Form broke @ 6,760 psi back to 6,250 psi. Built to 6,460 psi & broke back to 6,160 psi. Broke from 6,180 psi to 5,950 psi w/acid on formation. Very slight ball action. ISIP 4,850 psi, 5 min 3,567 psi, 10 min 3,257 psi, 15 min 3,014 psi. Average 4.9 BPN @ 6,200 psi. SWI. TLTR 104 bbls. Bled pressure off backside. 1/2 hr RD Howco, RU choke. 1 hr opened well to tank on 14/64" choke w/2,500 psi. FTP 2,500 - 1,400 psi. LR 16 bbls, TLTR 89 bbls. 1 hr flow to tank on 16/64" choke, FTP 1,400 - 790 psi. LR 11 bbls TLR 27 bbls, TLTR 78 bbls. 1/2 hr flow to tank on 20/64" choke. FTP 790 - 300 psi. LR 2 bbls, TLTR 29 bbl, TLTR 76 bbls. 1/2 hr open choke to 64/64", FTP 300 - 0 psi. No fluid rec. Well dead. 3 hrs left FO 15 min & KO. Slugging fluid & gas. Left on FO choke & rec 36 bbls. Made 3 bbls last hr, FTP 190 psi, TLR 65 bbls (flush 56 bbls) TLTR 39 bbls. 1 hr flow to tank on 18/64" choke, initial traces of acid water in flare. FTP 340 - 900 psi. Est 1,725 NCF. 12 hr flow to prod unit on 21/64" choke to 23/64" choke. FTP 920 -1,200 psi. MCF 2,070 - 3,145, no fluid rec, TLTR 39 bbls. EDWC: \$11,576 ETWC: \$1,761,364

- 5 hrs flow to prod unit on 23/64" choke, FTP 1,000 1,100 1,000 psi. LP 630 660 600 psi. MCF 3,145 3,465 psi. No fluid recovery. TLTR 39 bbls, TLR 65 bbls. Shut well in @ 1000 hrs NMT, 03-12-93. 19 hrs SI, SITP 4,400 psi, SICP 1,900 psi (19 hrs). EDWC: \$526 ETWC; \$1,761,890
- O3-14-93 SITP 4,400 psi, CP 1,600 psi. Well SI 43 hrs. Csg built to 1,600 psi after releasing to 500 psi. EDWC; \$0 ETWC; \$1,761,890
- O3-15-93 SITP 4,400 psi, CP 1,500 psi. Csg built to 1,500 psi after releasing to 500 psi. Well SI 67 hrs. EDWC: \$0 ETWC: \$1,761,890
- SITP 4,400 psi, CP 1,500 psi/91 hrs. SI RU JSI & lub. Ran static BHP grad survey.

 Made stops @ 2,000' intervals 14,000' & 14,380'. P00H. RD JSI. SI. SIWHP 4,455
 psi, SIBHP @ 14,380' 5,821 psi, no fluid in the hole. EDWC: \$950 ETWC:
 \$1,762,840
 - SITP 4,550 psi, SICP 1,360. Prep to frac. EDWC: \$0 ETWC: \$1,762,840
-)3-18-93 SITP 4,550 psi, SICP 1,360. Prep to frac. EDWC: \$0 ETWC: \$1,762,840
- 3-1/2 hrs MIRU Howco. Test lines to 11,000 psi. 1 hr SITP 4,610 psi. Pump 3,008 gals Pre-Pad, 16,062 gal 60% Alco Foam pad, 6,329 gal 60% Alco Foam w/20/40 Interprop Plus ramped .5 3 PPG, 3,209 gal w/ 3 PPG Interprop Plus. Flushed

JAMES RANCH UNIT NO. 18 (DW-TGS) BHL: 1,922.42' FNL & 2,132.01' FEL

• TYD 14,307.76'

Surface: 1,980' FNL & 1,100' FEL

Section 36, T22S, R30E Eddy County, New Mexico

Los Medanos

Oper: Enron Oil & Gas Company

14.6000' Morrow

EOGX: 66.66667% WI 58.33333% NRI

AFE No. 004293

DHC: \$1,432,500 CWC: \$1,862,600

SC No. N/A

w/1,532 gal 60% Alco Foam. Screened out w/2,200 gal short of flush. Prop in form 17,600 lbs, left in csg. 3,500 lbs, total Prop 21,100 lbs. ISIP 9,631 psi, 5 min 6,320 psi, 10 min 5,249 psi, 15 min 4,692 psi. Average rate 16.9 BPM 0 8,500 psi. Max 19.5 BPM 0 9,100 psi. TLTR 278 bbls. Pressured annulus to 3,800 psi during frac. Bled off. Built to 3,700 psi. Bled off & left open. 4 hrs SWI WO gels to break. 2-1/2 hrs opened well to tank on 22/64" choke w/1,100 psi. FTP 1,100 psi - 400 psi. LR 5 bbls, TLTR 273 bbls. 1-1/2 hrs flow to tank on 22/64" choke to 48/64" choke. FTP 400 psi - 30 psi. LR 2 bbls, TLTR 271 bbls. 9-1/2 hrs SWI. MIRU Cudd. RIH w/1-1/4" coil tbg. Jetted well w/N2 & foam to 14,480' (88' below perfs). Pressure began increasing 0 12,000'. Circ out heavy prop, circ hole clean. POOH. 2 hrs RD Cudd. RU flowline. Opened well to pit on 14/64" w/3,750 psi until flowline repaired. Returned to tank on a 14/64" choke w/3,125 psi FTP. LR 15 bbls, TLTR 256 bbls. EDWC; \$87,108 ETWC: \$1,849,948

03-20-93

18 hrs flowing to tank # 6,000 MCF, 18/64" choke, FTP 3,200 psi, CP 0, recovered 7 BW, 0 BO. 6 hrs well SI, SITP 4,400 psi, CP 0 psi. EDWC: \$4,050 ETWC: \$1,853,998

```
Z.DOD EST
03-19-93
                4500
03-20-93
                        BC
                                                            Remarks
            Hrs MCF
                             Chk
                                     FTP
                                           CP
                                                BW
                                                      LP
Date
                                                                             ETHC
                             18/64
                                    3100
03-21-93
            24
                6043
                                           0
                                                      640
                                                            First Sales To El Paso
                        --
                             18/64
                                    3150
                                          200
                                                12
03-22-93
            24
                6320
                                                      689
                                                            flow to sales
                                                                             $1,853,998
                6847
                                                            flow to sales
                                           370
                                                9
                                                      748
03-23-93
            24
                             19/64
                                    3500
                                                                             $1,939,814
                             21/64
03-24-93
            24
                8432
                                    3250
                                           580
                                                11
                                                      758
                                                            flow to sales
                                                                             $1,939,814
                                                                             $1,939,814
            24
                8879
                                    3300
                                           710
                                                      750
03-25-93
                             21/64
                                                9
                                                            flow to sales
03-26-93
            24
                11269
                             21/64
                                    2725
                                           810
                                                12
                                                      815
                                                            flow to sales
                                                                             $1,939,814
03-27-93
            24
                11912
                             28/64
                                    2600
                                           400
                                                15
                                                      792
                                                            flow to sales
                        --
                                                                             $1,939,814
                                    2580
                                           300
03-28-93
            24
                11564
                             27/64
                                                12
                                                      774
                                                            flow to sales
                                                                             $1,939,814
03-29-93
            24
                11778
                             27/64
                                    2570
                                          340
                                                      775
                                                            flow to sales
                                                                             $1,939,814
                                                11
03-30-93
            24
                11778
                                    2570
                                           340
                                                11
                                                            flow to sales
                                                                             $1,939,814
                             27/64
                                                      775
                                                            Perf Morrow "D"
03-31-93
                                    4220
                                          340
            24
                        --
                                                --
            24
                13267
                             28/64
                                    2500
                                          600
                                                      883
04-01-93
                                                                             $1,939,814
                                    2490
                                          740
04-02-93
            24
                13408
                             28/64
                                                6
                                                      903
                                                            flow to sales
                                                                             $1,948,796
                13126
                             28/64
                                    2500
                                          750
                                                12
                                                            flow to sales
04-03-93
            24
                                                      830
                                                                             $1,948,796
04-04-93
            24
                13724
                             30/64
                                    2400
                                          800
                                                12
                                                      836
                                                            flow to sales
                                                                             $1,948,796
                        --
            24
                                          860
                                                6
                                                            flow to sales
04-05-93
                13055
                             30/64
                                    2360
                                                      885
                                                                             $1,948,796
            24
                13724
                             30/64
                                    2360
                                          600
                                                12
                                                      884
                                                            flow to sales
                                                                             $1,948,796
04-06-93
04-07-93
           24
                13731
                             30/64
                                    2340
                                          600
                                                9
                                                     890
                                                            flow to sales
                                                                             $1,948,796
                        --
                 6077
                             30/64
                                    2340
                                          600
                                                6
                                                      895
                                                            SI well for test $1,948,796
04-08-93
            11
           24 /13038
04-09-93
                      --
                             30/64 2350
                                         600
                                              15
                                                    920
                                                                             $1,948,796
```

I FOR STATE TEST - NATA PT. = 2 (Y/Z PLOT) SEE FORM C-12Z FOR SITP JAMES RANCH UNIT NO. 18 (DW-TGS) BHL: 1,922.42' FNL & 2,132.01' FEL TYD 14,307.76'

Surface: 1,980' FNL & 1,100' FEL

Section 36, T22S, R30E Eddy County. New Mexico

Los Medanos

03-31-93

Oper: Enron Oil & Gas Company

14.6000' Morrow

E06%: 66.66667% WI 58.3333% MRI

AFE No. 004293

DHC: \$1,432,500 CWC: \$1,862,600

SC No. N/A

04-10-93	24	13126	 30/64	2320	500	12	865	\$1,948,796
04-11-93	24	13168	 30/64	2300	500	6	856	\$1,948,796
04-12-93	24	13360	 30/64	2280	500	6	837	\$1,948,796

4-1/2 hrs SI @ 0630 hrs, 3-29-93. SITP 4,200 psi/28 hrs. RU Schlumberger w/full lub. RU Howco. Test lub to 8,100 psi. 3 hrs RIH w/1-11/16" Enerjet III decentralized gamma Correlated to HLS Spectral Density Neutron dated 02-21-93. SIBHP 5,471 psi 14,150'. Perf Morrow "D" from 14.162' - 14.168' w/6 SPF @ +/- 45 deg phasing, total of 37 holes. SIBHP built from 5,471 psi to 5,513 psi (42 psi) in 33 min. SITP 4,225 psi. POOH RD Schlumberger. 1/2 hr tie flowline to prod unit. SITP 4,225 psi, turned to sales. EDWC: \$8,982 ETWC: \$1,858,930

Jule

WEEKLY DRILLING REPORT

Sb	ell 011	Company	7	1	Ranch Area	taren •	1
	····	(COMPANY	n	DISTRICT James	Ranch Unit 1	WELL	33261
FROM 2-13	то	2-20		COUNTY Eddy	STATE		N.N.
				WELL DATA	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
DATE	DE	то		PRMATION PM SAMPLES)	RED	ARKS	
2-13	PBTD	17,555° 14,343°	junk bas of rubbe er. Att Started	FERC. Found 1/ ket on WL to 1 r. Ran Baker F empted to set	Displaced oil v/ Pulled 7000' the dispel gas. Fini 2 of FERC rubber 3,990'. Recovered 3P on WL w/l sk ce plug 9 13,980' bu BP dragging heavi ,760'.	a circ 2 shed pull gome. Ras small perment in dut failed	hrs to ing the Baker rticles ump bail- to fire.
2-14	Was	1 P	WL out o short ca sub, & 2 push BP Jarred f	f rope socket tch-over shot 7/8" Bowen hy to bottom. For or 2 1/2 hrs &	Inable to move fr and pulled WL. Ra w/l 3/4" grapples draulic jars on t and both sets slip sheared Baker se tools. Recovere	n Bowen 4, 4 1/4" bg. Attemes apparenting too	7/16" Bumper ped to tly set. 1 stinger
2-15			to 11,76		rock bit on 4-3 l drlg head. Drille		
2-16		17,555' 13,973'	gauge ri		Pulled the, DC's et on WL. Set Ba		
2-17			13,538. N-80 sub N-80 sub SW w/oil	Details from b , Garret circu . 282 jts 2" E	ts 2" tubing (13, ottom-up: Baker F lating valve (jar UE, 157 jts X Lin nd pressured belo	B cemente -up to op e P-105.	r, 8' em), 8' Displaced
2-18			4 JSPF. gas. Lef 13,000' BF. In 8	In 6 hrs swbd t well open to & did not feel hrs bled csg	13,742-13,750 & 48.88 BO & swed F test tk for 8 hr any fluid in holpress from 250 to tal of 2.08 BO.	L to 13,00 s. Ran sw e but swb	00' w/no ab to i out 3
2-19			oil w/10	# brine. Rigge	slide valve w/wird d up substructure packer rubbers.		
2-20	TD PBTD	17,555 12,993	Set Bake Ran 415	r CIBP @ 13,00 jts 2" tbg w/B	O'(PGAC depths)& aker FBRC & Garre	tt circ ve	l sk cmt
RRECT R	28		R. L. Es	-	Rex C. Cab	m best	c C. Cabai

Shell	1 011 Co	MOSINA		Jan Jan	es Ranch	Datt	1
	- 011 00	(COMPANT	7			Area Wildcat	3326'
FROM	2-8	2-12	58	COUNTY)	Eddy	STATE	N.H.
				PARISH			
				WELL DAT	A		
DATE	PROM	TO		RMATION 4 SAMPLES)		REMARKS	
2-8	TD PBTD	17,555 14,343	to 18/64	" & at end of	hr. Af NCFPD. en to 18	sing to 620 MCFF ter 2 hrs decrea TP decreased fr 00 psi in 1 hr. rs, TP decreased	com \$100 to Changed ck to 275 psi
2-9			% BS, & ; psi. CP	35% oil on 18 increased fro	64" ck	hrs flwd 4 BF cu w/gas 6 153 HCFF 50 psi in 14 hrs or 4 hrs. thru 1	70. FTF 200
2-9		0,10	annulus of 1000 gal are increperfs. We acid hit gal MCA in fm, prinin SIP 1.6 B/M. tbg. w/210 sec.	psi. CP 450 ps/133 BO. Ble 7 1/25 MCA dessed sharply /5550 psi. No perfs. Let s into csg. per ress broke fr 4900 psi. 10 Total load 8 350 psi on 24 In 4 hrs pre	si. Hled own tbg. di cown tbg. Squeez ticed sli cid scak is. Max cm 5900 min SIP 6 bbls. 64" ck. ssure in	esg. to 0 psi. n to air for 1 h With 47 BF pump ed acid to spot ight drop in pre 5 min. Then inj press 5900 psi. to 5700 psi. SIF 4600 psi. Avg. i After 1 hr 40 mi & pressure bled creased to 650 p	Icaded cag. Ir. Pumped ed, press- over csg. ssure when ected 1000 With 750 gal 5300 psi 5 mj. rate m, opened to 0 psi ir ei. Opened
			600 psi. Then in 1 Flowing a Rec. 22 1	Opened well 12 hrs swbd 6 gas @ 120 MCF BUL. Tests in	and bled HBIO v/: PD thru : dicated ;	to 0 psi and pr last cut 15% AW. 32/64" ck while perforations 6 1 /2" casing) may	oduced 2 BO FL 6 12,000. symboling. 3,400'
2-10			MCF/d. FI 2% BS thi 238 MCFPI	L 12,000'. In Tu 32/64" ck.). Rec 8 BUL.	14 hrs : FTP 75 j Last 14	I flowing gas 8: Flowed & EF cut; esi. Flowing gas hrs CP increase ed back total of	98% W + 90 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
2-11			v/gas @ a		MCFPD. I	W & 30% oil thr FPP 75 psi. CP 25 1 24 hrs.	
2-12			5 hrs-no Blew casi tree & ho hrs. Relo via tubin BSW down	fluid. Blewing down from oked up BOP. saded tubing. ug w/1500 psi	230 psi Tubing u Inscated Casing I not cir		r v/oil. Removed on for 2 circulate Pumped 172
_	PIE	9	ם מים דים	amerral t	Origina	Signed By Cabanina Rex C. (Cabaniss
CORRECT	EX.P	LOITATION EN		ary ÷wmb Ar		t Exploitation F	EAK

District Exploitation Engineer

	mell 011	COMPANY		s Ranch Unit was 1			
١ ,	_	2-8	DISTRICTVO	Ranch Area Wildcat new 3326'			
FROM 2-1	тс		county Eddy	T.M.			
	WELL DATA						
DATE	PROM	PTH TO	FORMATION (PROM SAMPLES)	REMARKS			
2-4	TD	17,555	Dolomite				
	PBTD	14,343	dropped from 1250 psi to 32/64" & press drop Ran swab. Found fluid W & 10% BS in 2 hrs ar	Ran 1 1/2" jars on sinker bar to 14,200". Found no obstructions to test tank thru 18/64" ck. Press to 250 psi in 31 mim. Opened ck ped from 250 to 0 psi in 8 mim. 3 11,000". Swbd 12.5 BF cut 28% if well swbd dry. Losded the w/46 to 2000 psi & closed well in over-			
2-5-			Ran(Welex)swing jet to to fire. Shut down 4	perforate 14,277-299 & gun failed 1/2 hrs waiting on shooting truck. 299' w/4 JSPF (PGAC depths). Shut			
2-6		1600 1390,2	Perforated 14,030-14,0 w/4 JSPF. 2 hr SITP 1 ck & TP decreased to 2	50', 14,074-14,092 & 14,186-14,200 450 psi. Opened well thru 24/64" 250 psi in 1 hr. In 6 hrs flwd 44 as @ rate 175 MCF/d. FTP 60 psi. b oil).			
2-7		J 1860.	increased from 750 to MCFPD. Shut in thg. Op flwd 96 BO w/gas @ rat 100 psi. After 40 min thg thru 32/64" ck. In 140 MCFPD TP 230 psi. Swabbed 4 BSW in 1 hr hr 40 min, csg pressur & csg in to check for recorder. WATE PH Chloride as Bicarbonates Calcium as C. Magnesium as	as HCO ₃ 412 ppm 2960 ppm Mg. 1360 ppm			
2-8	عرمه ح		3100 psi. 2 hrs SITP 4 w/initial gas flow @ 9 after 2 hrs. Changed cl NFTS. Slight increase the on 9/64" ck w/init	very heavy hrs SICP 1000 psi. 12 hrs SITP 100 psi. Opened csg on 16/64" ck 91.5 MCFPD decreasing to 152 MCFPD k to 1" & after 2 hrs, well dead. In TP noted on recorder. Opened lal gas flow 6 1.798 MMCFPD.			
CORRECT	EXP	LOITATION EN	R. I. Essary: wmb App	ROVEN C. Cabanina Rex C. Cabanina XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			

Shell	011 Ca	mp any	Lease Jame	s Ranch Unit was 1	
		(COMPAN)	DISTRICT James	Ranch Area Wildcat new 3326'	
FROM.	<u>-28</u> n	2-3	1958 COUNTY Eddy	N.M.	
	=======================================		WELL DATA		
DATE	DEPTH		FORMATION	REMARKS	
	FROM	10	(FROM SAMPLES)	1	
1-28	PBTD	17,555° 14,343°	Shale seated in CamCo KB man and out tbg. Then cir	Circ hole w/oil for 2 hrs. Ran CamCo KEV Blank-off tool and drel. Circulated oil down csg c down the a out casing indicating Pulled KEV blank-off tool and ed.	
1-29				for 12 hrs. Unable to kill well. hewalt Lease (Ellenburger) to kill	
1-30			Unseated packer, insta	don water and circulated 2 1/2 hrs lied BOP and pulled tubing and Found all rubbers gone from	
1-31 thru 2-2		The same	Tubing details: Baker Fullbore pkr 7.62' N-80 sub, Garret Circulating (jar up to open), 7.93' N-80 sub, 287 jts (8950') EUE 157 jts (4932') P-19 Removed BOP & installe 1033 treated crude. W down 5 times to circ g hydrotesting tubing w/ Tested prk via annulus ped 200 psi. Built-up psi in 3 min & held st led lease crude. Max p psi. Avg. inj. rate 3. 10 min SITP=5200 psi. 2000 psi. Opened well In 16 hrs swabbed 53 B bing to avoid excess d	8r N-80 tubing, 05 tubing. d tree. Displaced water w/NORCO hile running tubing, had to shut as out of hole. Had to cease 5000' in hole due to excessive gas. w/2500 psi/15 min. Pressure drop- pressure to 3000 psi. Dropped 100 eady. Injected 10,000 gallons gel- ress 8950 psi. Min pressure 8700 7 B/M on frac, 4.1 B/M on flush. 356 barrels to recover. 14 hr SITP- on 18/64" choke. Bled to 0 at once. 0. Final FL 8 8500'. Ceased swab- ifferential across prk. 14 hr SITP- in 18/64" choke. In 1 hr flwd 7 B0	
2-3			4 hrs swabbing below 1 after each run. Recove	BF (8% wtr on last two runs). Next 3,000° w/no recovery. Well gassing ry 283 BUL, Shut-in 4 hr SITP 460. 12 hr SITP 1250, 14 hr SITP 1600.	
CORRECT_	18 III	LOITATION ENG	R. I. Essary: wmb Apps	Original Signed By Rove Rev C. Cabaniss Noncesposite	

Shel	1 011 0	company	LEAST.	James Ranch Unit	1
		(COMPAN)	DISTRICT Jam	es Ranch Area Wildcat	3326'
FROM	L-24	ro	COUNTY \	Eddy	H. M.
			PARISH	STATE	
			WELL DAT	· A	
DATE	FROM	нтчэс	FORMATION (PROM SAMPLES)	REMARKS	
1-24	TD	17,555'	Dolomite	In 6 hrs flwd 0.83 1	
	PBTD	14,343	Shale	146 MCF/D. Treated	
				14,274-14,299' v/500	
			on the and seeing on	MCA. Displaced acid	
				I TP 0 psi. Swabbed 3	
				next 4 hrs flowed 8 BL	
				and after three hrs SI	
		1		ed well on 18/64" ck.	
			off head. flowed gas	at average rate 100 MCI	/D. TP 50
			psi. During this tim	e casing pressure would	build up a
			rate 150 psi/hr.		
1-25				5 psi. At end of 4 hrs	
				ell & after flowing of	
				Syabbed and flowed 21 I	
				ng clean oil and gas at	
				flyd 28 BO. During thi	
				Ges rate started decres	
				ped to average 140 MCF/	
			TP 50 psi. At end	of this time, CP droppe	er to 312 be:
1-26				il. Resumed swabbing.	In Q has
1-20		}		13,000', and gas flows	
				64" ck FTP 50 psi. CP	
		1 1		ing oil suggest communi	
]		ng and oil recovered wa	
	1		load.	T	
		1	Wate	r Analysis	
		1	рĦ	7.2	
	1		Chlorides a		
			Bicarbonate		
			Calcuim as		l
			Magnesium Sulfates	Negative Medium	
			Iron	Light	
			TYOU	Trant.	
L - 27			Hooked up pump trk &	ppd oil dn csg w/tbg op	en on 32/64"
•				il ICP 250 psi. After	
				d to 550 psi. Had full	
				rculated down csg & out	
				psi. Fished CAMCO KEV	
				le for 1 hr. Attempted	
				vire in hole, line bec	
				straighten for 4 hrs	15 min. Shut
			down to wait for dayl:	ignt.	
	100	1 1		Original Signed By	
RRECT_	KZE		R. L. Essary: wmb	PROVEEX C. Oabants Rex	C. Cabaniss
	EX	PLOITATION ENG		XXXXXXXXXXX	EXCEPT



Shell Oil Company LEASE James Ranch Unit DISTRICT James Ranch Area Wildest may 3326! FROM 1-17- TO 1-23 19 58 COUNTY | RADY STATE NEW MEXICO WELL DATA DEPTH FORMATION DATE REMARKS FROM SAMPLES FROM 1-17-58 TD 17,555 Pole. Released rig 6 7 a.m. MRT 1-17-58 PBTD 14,343' Bandatone Rigging down rig. In 8 hrs. flowegradually increased from 195 MCFPD #254 MICEN thru 18/64" choke. In 16 hrs. gas flow decreased to 170 MCFPD. FTP 35 psi. No liquid 1-18-58 Dolo. Rigging down rig. In 14 hrs. gas Sandatone flow gradually decreased from 170 MOTED to 105 METED thru 18/64 choke. In 10 hrs. flowed gas at a steady rate of 105 MCFPB FTP 35 psi. No liquid. 1-19-58 Dolo. Rigging down rig. Shut well in Sandstone 6 9:15 a.m. MET to MOR. Installed 10,000 psi pressure recorder 12 hr. STTP 2600 psi. 22 hr. SITP 3700 psi. 17 1-20-58 Dolo. Shut in to MCR. 43 hr. SITP Sandstone remained constant for last 8 hrs. 1-21-58 Dolo. Shut in 67 hr. SPTP 4375 psi. Sandstone 1-22-58 Dolo. SITP 4375 psi. Opened well thru Sandstone 9/64" choke. In 1 hr. 10 min pressure decreased to 1500 psi. Installed 18/64" choke. In 35 min. pressure decreased to 35 psi. Initial flow rate 1,850 MCFPD. After 1 hr. rate decreased to 980 MCFPD. After 12 hrs. rate decreased to 150 MCFPD & remained constant for 5 hrs. FTP 100 psi. Produced 5.8 BF, probably load oil. 1-23-58 Dolo. In 24 hrs. flowed gas @ average Sandstone rate of 150 MCFPB thru 18/64" choke FTP 90 psi. During last 12 hrs. produced 1.66 BW w/ slight sulphur taste WATER ANALYSIS Bicarbonates as HCO2.... 2160 ppm

CORRECT C.R. COTLING: DIH

Original Signed By
APPROVEREX C. Cabanisa

Shell	Oll Cor	TOATY (COMPAN	LEASE James	
FROM Lal	<u>цто</u>	1-16		Ranch Area Wildcat nev 33261
			WELL DATA	
DATE	PROM	РТН То	FORMATION (FROM SAMPLES)	REMARKS
1-14-58	TD 17 PBTD 14	555 † 343†	Dolo, Sandstone	While running thg. (bottom 6 12,200 well started flowing thru thg and
			set pkr. SITP 150 psi immediately. Unseated prinished funning tbg. He inished funning tbg. He inished funning tbg. He inished funning tbg. He inished funning tbg. He inished funning tbg. He inished funning tbg. He inished funning tbg. He inished in 13,939°. Howco Risk to 13,939°. Howco Risk to 13,932.31°, 7.9° N-80° N-80° tbg. A inished	in one hr. 15 min. flowed \$1 BO. FPB for 20 min. Shart well in & Opened well and pressure bled off kr. & circulated hole w/oil. ung \$\frac{1}{2}\$ (13,925.93) 2" tbg. kr. & 13,939' 7.6' N-80 sub above w/KEV equalizing walve 13,917.39' sub above mandrel; 287 jts. (8950 3 43.72') P-105 tbg. w/xline thread e 8' P-105 sub on top of string. psi & P-105 tbg. te 10,000 psi one hr. w/pkr. swinging. Tested ure dropped to 29500 psi in 30 min. Pressure dropped to 2850 psi in ured below pkr. to 5500 psi. In to 5425 psi. Pressured above pkr. dropped to 1900 psi in 30 min. psi. Pressure dropped to 2200 00 psi in next 35 min. Later found g.
1-15-58	79	Ħ	swing jet & perforating 14,274'-14,299' w/4 JSPF	Ran Welex 1 11/16 guage tool which got stuck in HONCO-RPIN pkr. Pulled gauge tool and rangelex 1 3/8 lled gauge tool. Ran Welex 1 3/8 gun. Attempted to perforate. Surface observations and CCL not indicated gum did not fire.
1-16-58	Va.	J	build-up. Swabbed fluid off @ 1:30 p.m. Flowed TP = 25 psi. Rate gradu of 195 MCF/D after flowing SITP = 750 psi and build at 8:00 p.m. on 18/64" d	Ran Welex 1 3/8" swing jet gum and perforated 14,270-14,295' (Schl. depths) or 14,277'-14,299' (PGAC). tions v/CCL. No immediate pressure level to 4000' where well kicked thru 32/64" cheke 3 rate 800 MCF/D ally decreased to a stabilized rate ag 3 hrs. SI S 6:00 p.m. 2 hr. ing 8 250 psi/hr. Reopened well hoke and after initial surge, of 195 MCF/D TP to small to mea-
	• 1			Original Signed By

CORRECT C. R. Gerlings DIH

APPROVED Rex C. Cabanisa



Shell 011 Company

(company)

District James Ranch Area Well 1

District James Ranch Unit 1

FROM 2-25

TO 3-6

1958

COUNTY | Eddy STATE N.M.

DATE	DI	PTH	FORMATION	REMARKS
	FROM	то	(FROM SAMPLES)	
- ,	TD PBTD	17,555' 12,993'	Dolomite Shale	w/gas stabilized 3 2 670 MMCF/D & FTP stabilized 6 5400 psi. Shut well in for pressure build up. 6 hrs SITP 6400 psi. SICP 0 psi.
2-26			$\int_{\Gamma} \Gamma$	30 hr SITP 6600 psi. CP 0 psi.
2-27			٠,	54 hr SITP 6600 psi. CP 0 psi.
2-28			126 hr SITP 6600 psi.	on OPF flwd gas w/calculated open
thru			flow potential of 9.0	MMCFGPD with gar-condensets made
3-2			of 00,012 cubic feet/	bbl (Rated 104.6 B/D) Gr. 56° API.
3-3			Ran BHP bomb attached	775'. Ran static BHP test & press. ar SIBHP 8393 psi @ 9442' subsea. to the stop & hung @ 12,751'. Open-In 15 hrs flwd 4 BC w/gas @ end of 6500 psi.
3-4			In 24 hrs flwd 10 BC v FTP 6600 psi. CP 0 psi	gas @ 850 MCF/D thru 5/64" ck.
3-5			FIP 0000 psi. Then in	thru 5/64" ck w/gas @ 850 MCF/D. 20 hrs flwd 30 BC thru 9/64" ck. RTP 5900 psi CP = 130 psi.
3-6			Pulled BHP Bomb. Shut will drop from report	well in. SITP 6800 psi. CP 0 psi. until activity resumes.
				jun de la companya de
				Original Signed By Rev C. Cabania

R. L. Essary: wmb

APPROVED____

Rex C. Cabaniss

Shell Oil Company Least James Ranch Area Wert 1					
FROM 2-20		2-25	DISTRICT DA	mes Rench Unit 1 Rev	33261 N.N.
FROM	то		COUNTY) Edit	TATE.	
			WELL DAT	\	
DATE	PROM	н те Ге	FORMATION (PROM SAMPLES)	REMARKS	
2-20 Cont'd		17,555' 12,993'	Dolomite Shale	12,985'. Displaced SW w. Raised the to 12,800'.	/oil Fbg Detail:
			ATOKH.	415 jts (12,794 %) hung 6 v/Baker FBRC 12,803-12,8 N-80 sub, Garret eire vi up to open) 12,793-12,79 N-80 subs. 258 jts EUE 8 157 jts P-105.	208' 8' Live (jar 25, 2-8'
2-21 thru 2-23			ed BOP, set pkr & presmin. Held OK. Perf 12, tubing pressure immeditive line-lost approxhole. SI 9 hrs waiting In 1 hr flwd 25 BIO th SI to hook up high presmin 20 hrs flwd 25 bbls 10/64" choke w/gas 3 3 0.615. Then in 2 hrs choke. FTP 5250 psi. Of 1 bbls condensat psi w/gas @ 5.965 MMCF perforating. In 18 hr & rec 1 BO. Next 18 hr	occupants of the policy of the	psi for 30 psi for 30 psi for 30 psi. 500 psi. 500 psi. 500 psi for 6750 psi for 6750 psi for 22 hrs for 3150 psi for 230 psi. 50 230 psi.
2-24			API. FTP 3150 psi. Gas well on 32/64" ck. Ini l hr FTP decreased to on OPT flwd 47.47 bbls API. FTP 2000 psi. St Bled csg from 190 to 0	condensate thru 18/64" ck flow @ rate 5.965 MMCF/d tial gas flow 10.622 MMCF 2000 psi & stabilized. I condensate thru 32/64" c abilized gas flow @ 7.467 psi & recovered 5 gal of uid or pressure. 16 hr S	Dened /D. After n 16 hrs k. Gr. 56 MMCF/D.
2-25	76		stabilized @ 1968 psi flwd 11.62 BC thru 24/ MMCF/D & FTF stabilize 8.72 BC thru 18/64" ck FTP stabilized @ 3205 11/64" ck w/gas stabil @ 4990 psi. Then in 3	potential test in 6 hrs f as stabilized @ 7.5 MMCF/ (dead wt. tester). Then in 4" ck w/gas' stabilized @ d @ 2340 psi. Then in 3 hr w/gas stabilized @ 5.858 psi. Then in 3 hrs flwd 4 ized 3 3.500 MMCF/D & FTP hrs flwd 2.49 BC thru 9/6 Roved Original Signed By Rex Rex C. Osbania Marketon	n 3 hrs 7.038 rs flwd MMCF/D & .98 BC thru stabilized
CORRECT	EXP	LOITATION EN	GINEER	Rex C. Osber Concretor	

FURTHERMORE. THE BOTTOM HOLE PRESSURE OF THE ZONE PRESENTLY BEING TESTED IS ABOVE 7000 PSI AT 12,915 FEET, SO THAT WEIGHTED MUDS REQUIRED TO KILL THE WELL MIGHT PERMANENTLY IMPAIR ITS PRODUCTIVE CAPACITY.

THEREFORE, IN VIEW OF THE FOREGOING WE RECOMMEND COMPLETING THE WELL FROM THE PRESENT PERFORATIONS AND DEFERRING ANY ADDITIONAL TESTING UNTIL THE GAS IS DEPLETED.

EXPENDITURE TO DATE TOTAL \$1,144,000 OF \$1,145,000 APPROVED BY AFE AND TELEGRAM.

IF YOU AGREE, WOULD YOU PLEASE REQUEST THE GAS DEPARTMENT TO OBTAIN A MARKET FOR THE GAS. TANKAGE AFE WILL BE SUBMITTED AFTER DETAILS OF GAS CONTRACT ARE DETERMINED.

FINAL SUPPLEMENTAL AFES FOR PRESENT ATTRIBUTES WILL BE FORWAR DED IMMEDIATELY.

REGULAR

FEBRUARY 11, 1958

MIDIAND AREA PRODUCTION MANAGER

ROB-7 JAMES RANCH UNIT 1) EDDY COUNTY, NEW MEXICO. FURTHER TO OUR TELEGRAM ROA-1 AND PREVIOUS CORRESPONDENCE, HAVE PRODUCTION TESTED PORTIONS OF ATOKA AS FOLLOWS:

INTERVAL:

REMARKS:

14,270 - 14,295

FLOWED NATURAL 150 MCFGPD THRU 18/64" CHOKE WITH 100 PSI FTP.

TREATED WITH 500 GALS MCA RESULTING IN LITTLE CHANGE IN

PRODUCTIVITY. TREATED WITH 10,000 GALS GLC/NO SAND.

MAX PRESSURE 8950. MIN PRESSURE 8700 PSI. WELL SWABBED

PRACTICALLY DRY WITH 316 BBLS OF "LOAD"/UNRECOVERED.

14,030 - 14,050 14,074 - 14,092 14,186 - 14,200 14,270 - 14,295

FLOWED AVERAGE 150 MCFGPD AND APPROXIMATELY 1 BBL BS&W PER HOUR WITH 150 PSI FTP. TREATED WITH 1000 GALS MCA. MAX PRESSURE 5900. MIN PRESSURE 5700. NOW SWABBING 1 - 2 BBLS BS&AW PER HOUR FROM 12,000' WITH GAS AT RATE APPROXIMATELY 150 MCFGPD.

WE FEEL THE PRODUCTIVE CAPACITY OF THESE 3 ATOKA SANDS HAS BEEN ESTABLISHED AT LESS THAN 200 MCFGPD WHICH IS CONSIDERED NON-COMMERCIAL. ACCORDINGLY PROPOSE PROCEED WITH ATOKA EVALUATION BY OPENING ADDITIONAL SECTION THAT MAY BE GAS BEARING. PLAN TO SET BRIDGING PLUG AT 13,980 AND WITH FULL BORE RETREIVABLE PACKER AT 13,550, PERFORATE 13,742 - 13,750 AND 13,890 - 13,900 (PCAC LOG DEPTHS) USING TUBING GUN.

HAVE HAD EVIDENCE THAT "SQUEEZED" PERFORATIONS AT 13,400 ARE NOW LEAKING SMALL AMOUNT OF CAS INTO TUBING-CASING ANNULUS BUT AS SITUATION IS NOT CONSIDERED HAZARDOUS, WE PLAN TO LEAVE POSSIBLE REPAIR JOB UNTIL LATER DATE.

. വൃദ ദ

BELCO PETROLEUM CORPORATION DRILLING RECORD

AFE NO.	
---------	--

XXXX	James Ranch	LEASEHudson Federal	WELL N	0. #1
DATE	DEPTH	DETAIL OF OPERATION	ON	
5/17	PBD 14,278'	(0') 82. Rigging down. Nippled up BOP, picked up 24 jts. of 3-1/2" drill pipe & retrieved bridge plug. Nippled down BOP & installed wellhead & relief valve on casing. Released rig 6:00 A.M., 5/17/74.		down BOP
5/18	"	Waiting on completion rig:		
5/19	n	Waiting on completion rig.		
5/20	"	Waiting on completion rig.		
5/21	"	Waiting on completion rig.		
5/22	"	Rigging up DA&S well service.		
5/23	,,	Unloading 2-7/8" PH-6 Hydril tubing. service. Set pipe racks and bled off unloading tubing. S.D.F.N.		
5/24	"	GIH w/tubing. Installed BOP, picked up mill & scraper. WIH w/168 jts. 2-7/8" tubing. S.D.F.N.		
5/25	"	GIH w/2-7/8" tubing. Ran 270 jts., clutch went out on draw-works. S.D.F.N.		
5/26	,,,	TOH w/scraper. Finished TIH w/scraper, installed wellhead and circulated brine water. Started out of hole with tubing. S.D.F.H.		
5/27	"	GIH w/seal assembly and 2-7/8" tubing Set Otis "WB" packer with seal bore ex Gator Hawk testers, unit broke down as Released Gator Hawk. Ran 152 stands in the control of t	ktension @ 13, fter testing to	000 R.U. vo stands.
5/28		Flowing well to pit. Finished TIH w/stree. Pressured up tubing to 6000 psitubing to 5000'. Perforated Morrow Zo and 14,243-48' with 2 shots per foot, cator & S.D.F.N. Left well open on 1, up on 3/4" A.C., unloading solid street	i - held ok. S one thru tbg. I O psi. R.U. s '8" choke. Ope	Swabbed 14,229-37' swab lubri- ened well
		TUBING DETAIL		
		Itеm	Length, Ft.	Depth, Ft.
		Elevation 1 jt. 2-7/8",PH-6,7.9# Hydril tbg. 2-7/8",PH-6,8.7# Hydril Sub 262 jts. 2-7/8",PH-6,8.7# Hydril tbg.	16.00 32.10 4.50 8380.01	-0- 16.00 48.10 52.60
			(cont'	d)

AFE NO.	
.71 - 170.	

140 -4-

FIELD	James Ranch	LEASE Hudson Federal	WELL:	NO. <u>1</u>
DATE	DEPTH	DETAIL OF OPERAT	ION	
5/28	(cont'd)	TUBING DETAIL		
·		Item	Length, Ft.	Depth, Ft.
		169 jts. 2-7/8",PH-6,7.9# Hydril tbg	5370 80	8432.61
	1	2-7/8",PH-6 X 2-3/8" EUE X-over Sub		
		Location Sub	1.10	
		Less Wt. on Pkr.		
		Otis Seal Assembly	10.10	
		Bottom of Seal Assembly		13,820.39
5/29/74	PBD 14,278'	Flowing well to pit on 3/4" choke, lowered water for several hours to 8000' and well kicked off, FTP - MMCFD.	s, then logged	up. Swabbed
5/30	"	Cleaning up well to pit on 31/64" che	oke, FTP - 240	psi, <u>1.494</u>
5/31	"	Prep. to acidize. FTP - 200 psi, 31,	/64" choke, 1.	4 MMCFD.
6/1	17	Acidized Morrow Zone perforations 14, with 3000 gallons of 7-1/2% MS acid, SCF/bbl. N2. Displaced with 43 bbls. SCF/bbl. N2. Good ball action observ	35 ball seale. of KCl water	rs and 1000
		BDP:	300 psi	
		Avg. Treating Pressure:	_	
			5.3 BPM.	1
		ISDP:	!100 psi	
		10 min. SIP: 2	800 psi	į
		15 min. SIP:	2350 psi	
		Opened well up on 3/4" choke, unloaded for two hours and well died. Swabbed little fluid. Pressured up with N ₂ to pumping in formation. Flowed back N ₂ psi in 23 mins no fluid. Pressured impression block to 14,287' (WL). Tawith wire line - impression block neg 3/4" choke in 19 mins no fluid. Died well open on 1/8" choke overnight.	down to 9000' to 2800 psi and on 3/4" choke d to 2000 psi gged fluid @ l ative. Flowed	Recovered i started i, bled to 0 and ran 1-3/4" 2,500'. POH
6/2	<i>1</i>	Swabbed well to 11,000' - no fluid. psi. Opened on 3/4" choke - bled to fluid. SI well.		
6/3	"	SITP - 200 psi. Opened on 3/4" choke No fluid. SI well.	, bled to 0 ps.	i in 50 mins.

AFE	NO		

FIELD	James Ranch	LEASE Hudson Federal WELL NO. 1
DATE	DEPTH	DETAIL OF OPERATION
6/4	PBD 14,278'	Shut in. Prep. to backflush with KCl water and run Temp. Survey.
6/5	"	Prep. to swab well. Ran base Temp. Survey. Pumped 120 bbls. of 3% KCl water (40 bbls. in formation) at 4-1/2 BPM, 5000 psi. ISDP - 3200 psi; 10 min. SIP - 0 psi. Ran second Temp. Survey from 12,000' to 14,276'. Swabbed well to 8400' - no gas. S.I. overnight.
6/6	"	SITP - 600 psi - bled to 0 in 5 mins no fluid. Swabbed to 10,000', good fluid, some gas. SDFN and SI well.
6/7-8	"	Swabbed to 10,000', very little fluid. Well unloaded water intermittently to pit with fair gas blow.
6/9	"	Unloaded water in slugs, good blow of gas. Swabbed to 13,000', recovered 1/2 bbl. of water. Left well on 38/64" choke overnight.
6/10	"	7:00 A.M., 6/10/74 - FTP - 20 psi, 3/4" choke, fair blow w/ fine mist. Est. rate - 360 MCFD. Made 4 swab runs to 13,000', little fluid with good gas blow.
6/11	"	SITP @ 7:00 A.M., 6/11/74 - 1500 psi. Flowed well on 3/4" choke, good blow & heavy mist. Swabbed to 13,240'. Rec. 2-3 bbls. water. Continued flowing well on 3/4" choke, good blow of gas, no fluid. S.I. well @ 4:00 P.M. SITP - (8:30 P.M.) - 1400 psi.
6/12	17	7:00 A.M., 6/12/74, FTP - 0 psi, 3/4" choke, fair gas blow w/ heavy water mist. Opened well on 3/4" choke, bled from 1500 psi to 0 in 13 mins. No fluid. S.I. & dropped 2 soap sticks. SITP - (2 hrs.) -540 psi. Opened up on 3/4" choke & unloaded 3 good slugs of water. FTP - 500 psi.
		12:20 P.M. FTP - 175# Steady blow, heavy mist. 2:20 P.M. FTP - 25# Steady blow, heavy mist. 3:20 P.M. FTP - 10# Good blow, heavy mist. 5:20 P.M. FTP - 10# Good blow, heavy mist.
6/13	"	SITP @ 7:20 A.M., 6/13/74, was 1300 psi. S.I. well & dropped - 2 soap sticks. SITP - (2 hours) 550 psi. Opened up on 3/4" choke, unloaded slugs of water for 20 mins. FTP - 200-300 psi. Well continued to unload water in slugs intermittently. Dropped two more soap sticks @ 11:20 A.M., well unloaded good slugs of water for 5 mins.
		1:30 P.M. FTP - 50# Steady blow, heavy mist. 2:20 P.M. FTP - 0# Weak blow, no fluid. 4:20 P.M. FTP - 0# S.I. well & dropped 2 soap sticks.

AFE NO.			

FIELD	James Ranch	LEASE <u>Hudson Federal</u> WELL NO. 1
DATE	DEPTH	DETAIL OF OPERATION
6/14/74	PBD 14,278'	Flowed well to pit on 3/4" choke. Unloaded water intermittently in slugs. Good blow with heavy mist. FTP - 10-100 psi.
6/15	,,	Flowed well to pit on 3/4" choke. TP - 0-50 psi. Small amount of fluid in slugs. Shut well in for night.
6/16		SITP - 1100 psi. Bled off to 400 psi - no fluid. R.U. Vann Tool Co. and ran gammaray-collar log. Re-perforated at 14,229- 37' and 14,243-48' (1 SPF) w/ 1-11/16" ceramic jet. No pressure increase. Opened well up on 3/4" choke and bled off gas pressure - no fluid. Made 4 swab runs to 13,300'. Rec. 5 bbls. total fluid w/good blow of gas. Last run very little fluid & weak blow. Left well open on 40/64" choke overnight.
6/17	"	TP - 0#, fair gas blow - no fluid. Made 2 swab runs to 13,300', recovered very little fluid - fair gas blow. S.I. well @ 10:30 A.M., 6/16/74.
6/18	**	Prep. to swab. SITP @ 6:30 A.M., 6/18/74 - 1350 psi. Opened well on 3/4" choke, bled to 0 in 10 mins. No fluid.
6/19	"	Flowing to pit on 3/4" choke - small gas blow. Made 4 swab runs to 13,300', recovered 5 bbls. total fluid. Fair to weak blow after each run. S.I. & dropped 2 soap sticks @ 3:00 P.M., 6/18/74. SITP @ 7:00 A.M., 6/19/74 - 750 psi.
6/20	"	SITP - 500 psi - 7:00 A.M., 6/20/74. Opened well on 3/4" choke, bled from 750 psi to 0 in 6 mins no fluid. Made 4 swab runs to 13,300'. Rec. 1/2 bbl. water each trip. S.I. @ 5:00 P.M., 6/19/74.
6/21	11	SITP @ 7:00 A.M., 6/21/74: 600 psi. Swabbed to 13,300' - no fluid. Shut well in.
6/22	"	Swabbed to 13,300' - very little fluid.
6/23	"	SITP @ 7:00 A.M., 6/23/74: 100 psi. Acidized well w/4000 gals. 7-o/2% DAD in 4 stages w/15 ball seals between stages. Formation broke at 4550 psi. Max. Pressure - 5850 psi. Inj. Rate - 5.5 BPM. Flushed w/55 bbls. KCl water w/600 cu. ft./bbl. N2 in flush. ISIP - 4150 psi 5 mins 2300 psi 10 mins 1900 psi 15 mins 1600 psi
		Job complete @ 12:30 P.M., 6/22/74. Load to recover - 151 bbls. Opened well on 3/4" choke at 3:30 P.M., 6/22/74. SITP - 1000#.
		contid

Jage -12-

BELCO PETROLEUM CORPORATION DRILLING RECORD

AFE NO.	

LEASE Hudson Federal WELL NO. FIELD James Ranch DATE DEPTH DETAIL OF OPERATION 6/23 (cont'd) Flowed approx. 10 bbls. in 30 mins. & died. Made swab runs to 5200', 9200', and two runs to 13,300' - well swabbed dry, lite blow. SI @ 6:30 P.M., 6/22/74. 6/24 PBD 14,278' SITP @ 7:00 A.M., 6/24/74: 350 psi. Swabbed well to 10,200' (13 trips). Rec. good fluid loads each trip. Fair blow after each run. Total recovery est. 90 bbls. Total load to recover: 151 bbls. 6/25 Swabbed to 12,200'. Recovered est. 32 bbls. Last run very little fluid w/heavy emulsion. Sample being analyzed. Load left to recover: 27 bbls. 6/26 SITP @ 7:00 A.M., 6/26/74: 100 psi. Swabbed well to 12,100'. Recovered 42 bbls. water, fair to good gas blow after each run. Made 3 more runs to 13,300' - recovered small amounts of heavy, black hydrocarbon, very little water. Total fluid recovery: 164 bbls. (13 bbls. overload). Shut in well @ 5:00 P.M., 6/25/74. 6/27 Swabbed a total of 53 bbls. fluid, fair to good gas blow after each run. Several runs to 13,300'. Rec. heavy, black hydrocarbon material. Some of the black material in breaking out in the fluid load recovered. 6/28 SITP @ 7:00 A.M., 6/27/74: 560 psi. Made 9 swab runs - rec. 25 bbls. fluid. Last 2 runs to 13,300' were dry. Fair gas blow after each run. 6/29 R. U. Dowell & pumped 500 gals. of P-121 paraffin solvent, displaced w/10 bbls. kerosene & 60 bbls. KCl water. Pump in pressure: 1200 psi Avq. Inj. Rate: 1 BPM Job complete @ 10:03 A.M., 6/28/74. Shut well in. 6/30 SITP @ 7:00 A.M., 6/29/74: 0 psi. Swabbed out 42 bbls. wtr. (12 runs). Shut well in for night. 7/1 SITP @ 7:00 A.M., 6/30/74: 300 psi. Swabbed 17 bbls. (water & kerosene) - 7 runs. Shut well in € 2:30 P.M., 6/30/74. 7/2 SITP - 250 psi, bled to 0 psi in 3 mins. R.U. Vann Tool Co. & perforated thru tbg. at 14,171-77', 13,870-75', and 13,844-56' with 1-9/16" sidewinder, 2 SPF. TP - 475 psi before and after perforating. R.D. Vann Tool Co., opened up well, bled to 0 psi in 13 mins. Shut well in for night.

James Ranch

AFE NO.	
AL L 110.	

Hudson Federal WELL NO. ____ LEASE FIELD __ **DETAIL OF OPERATION** DATE DEPTH 7/3/74 PBD 14,278' Swabbed 27 bbls. water & kerosene, very weak gas blow. Last 2 runs - no fluid. Left well open overnight. 7/4 Swabbed 32 bbls. fluid; est. 25% kerosene, solvent & black oil. Last run dry to 13,300'. 7/5 R.U. Dowell & Nowsco & installed 10,000 psi McEvoy tree saver. Tested lines to 10,000 psi. Frac-treated well with 46,000 gals. E-Z Flow fluid, 30,000# of proppant (20% 20-40 mesh glass beads & 80% 20-40 mesh frac sand), and 600 SCF No per bbl. in 3 stages as follows: STAGE #1: 3000 gals. pad, followed by 4000 gals. with 1/2 PPG proppant, followed by 8000 gallons frac with 1 PPG proppant. Avg. treating pressure: 8800 psi. Avg. Inj. Rate: 8.8 BPM. STAGE #2: 1500 gallons 7-1/2% E-Z Flow acid with 300# Benzoic acid flakes and 40 ball sealers, followed by 3500 gals. pad, 4000 gals. frac with 1/2 PPG proppant and 8000 gallons frac with 1 PPG proppant. Avg. treating pressure: 8900 psi. Avg. Inj. Rate: 8.7 BPM. Pressure increased from 8000 psi to 8500 psi when plugging agents hit. STAGE #3: 1500 gallons 7-1/2% E-Z Flow acid with 250# Benzoic acid flakes, followed by 3500 gallons pad, 4000 gallons frac with 1/2 PPG proppant, and 8000 gallons frac with 1 PPG proppant. Avg. treating pressure: 9200 psi. Avg. Inj. Rate: 8.2 BPM. Pressure increased from 9000 psi to 9300 psi when plugging agent hit. Flushed with 85 bbls. 2% KCl water with 10# J-133 friction reducer per 1000 gallons. Pressure 9500 psi @ 7.5 BPM. ISIP: 6800 psi 5 min. SIP: 6000 psi 10 min. SIP: 5900 psi 15 min. SIP: 5600 psi Total load to recover: 1261 bbls. Opened to pit on 24/64" ck., after 2 hours. SITP - 5500 psi. Bled to 0 in 1 hour and 46 mins Flowed back est. 200 bbls. 7/6 Swabbed 43 bbls. water. SITP @ 8:00 A.M., 7/7/74: 500 psi. Swabbed 68 bbls. water, 7/7 fair to good gas blow after each run. Recovered small amounts of frac sand on several runs. Shut well in. Shut in. 7/8 Made 4 swab runs to 9500'. Recovered 29 bbls. KCl water, lots 7/9 of sand on last run. Shut well in.

ੀਵਪਾਦ ਨਿਜ਼ਵਾਨ

BELCO PETROLEUM CORPORATION DRILLING RECORD

Hudson Federal

James Ranch

AFE NO	<u> </u>
	_

___ WELL NO. __ 1 LEASE FIELD _ **DETAIL OF OPERATION** DATE DEPTH 7/10/74 PBD 14,278' Shut in. Waiting on wireline unit. Ran wireline to 14,090'. Located end of tubing at 13,838'. 7/11 Perforations: 14,243-48'; 14,229-37'; 14,171-77'; 13,870-75'; and 13,844-56'. Shut in. SITP @ 7:00 A.M., 7/11/74: 250 psi. 7/12 Shut in. SITP @ 7:00 A.M., 7/15/74: 750 psi. 7/13-15 7/16 Shut in. Prep. to wash out sand. Prep. to pull tubing and wash out sand. 7/17 7/18 SITP - 1100 psi @ 7:00 A.M., 7/17/74. Bled off tubing and loaded annulus with 140 bbls. 10# brine. N.U. BOP and pulled 60 stands - well started flowing on annulus. Pumped 70 bbls. brine down annulus - well dead. Pulled 64 more stands, filled hole with 70 bbls. brine & SDFN. 7/19 Prep. to tag sand. Circ. brine & finished POH with tubing. P.U. 18 joints 1" CS Hydril with bottom joint muleshoed, and WIH on 2-7/8" tubing to top of packer @ 13,800'. Circ. hole with brine & SDFN. 7/20 Tagged pkr. @ 13,800'. Went thru pkr. and tagged sand @ 14,130'. Wireline measurement 14,090'. Trouble with pack-off stripper blew three out while circulating hole at 1000 psi. Circulated hole at 3 BPM @ 2000 psi w/rams closed. Installing Guiberson "JU" Hi-Pressure Stripper before attempting to circulate sand. SDFN. 7/21 Rigged up Guiberson Stripper & held 2000 psi. Attempted to circulate sand with 3 BPM @ 2000 psi, (all pump truck can put up). Made 5°, from 14,130-14,135' in 1 hour, from 11:00 A.M. to 12:01 P.M., then did not make any more hole. Circulated (reverse) and set up to 5-points weight on 1" tubing but could not make any hole. Pulled 3 joints tubing and shut down @ 6:00 P M. for orders. 7/22 Shut down Sunday. Will start circulating Monday to attempt to wash out sand. 7/23 Tagged bottom with 1" tubing at 14,135' and attempted to wash out sand - no progress in 8 hours. Preparing to pull tubing and recomplete in Atoka.

-14ge -40-

BELCO PETROLEUM CORPORATION DRILLING RECORD

Hudson Federal

James Ranch

AFE	NO.				

FIELD ____ ____ WELL NO. _____ _____LEASE____ DATE DEPTH **DETAIL OF OPERATION** PBD 14,278' TOH w/2-7/8" and 1" tubing. SDFN. Preparing to run wireline 7/24/74 blanking plug in packer at 13,800'. 7/25/74 Prep. to perforate Atoka (12,989-12,995'). Set wireline plug in packer @ 13,800'. TIH w/retrievable packer - tested plug & packer to 5000 psi - OK. Spotted 250 gallons acetic acid across Atoka Zone. SDFN. 7/26 Perforated Atoka Zone 12,989-12,995' with 4 SPF with 1-11/16" jet. Job complete at 11:40 A.M., 7/25/74. Displaced acetic acid into perforations at 1/2 BPM with 4000 psi - formation broke back to 2500 psi & pumped at 2 BPM at 4000 psi. SIP -3500 psi; 5 min. SIP - 0 psi. Top of packer at 12,679' KB, 20' above ground level. Swabbed well down to 8000' and well unloaded; from 5:00 P.M., 7/25/74 to 6:00 A.M., 7/26/74 daily rate was 650-850 MCF, 3/4" choke, TP- 30-50 psi. Well making est. of 2 BW/hr. (Last 5 hours, rate 652 MCF, TP- 30-40 psi, 3/4" choke, producing mist of water.) Continuing to test. 7/27 Flowing 796 MCFD, TP - 40 psi, 3/4" choke, light mist of water. No change in 24 hours. 7/28 Flow rates as follows: 7/27/74, 7:00 A.M. to 12:00 P.M.: 869 MCF, TP - 45 psi, 3/4" choke. 7/28/74, 12:01 P.M. to 7:00 A.M.: 732 MCF, TP - 110 psi, 31/64" 7/28/74, 7:00 A.M. to 8:00 A.M.: 725 MCF, TP - 35 psi, 3/4" choke, very light mist. 7/29 5:45 A.M., 7/29/74: TP - 180 psi, 31/64" choke, 1.143 MCFD, light mist. Changed to 3/4" choke, 60 psi, 1.086 MCFD, heavy mist. From 9:00 A.M. to 6:00 P.M., 7/28/74, flowed well on 3/4" choke, 50 psi - TP, 941 MCFD. 7/30 FTP @ 5:00 A.M., 7/30/74: 200 psi, 31/64" ch., 1.260 MCFD. FTP from 7:00 A.M. to 6:00 P.M., 7/29/74: 55 psi on 3/4" ch., 1.014 HCFD. 7/31 6:00 A.M., 7/31/74: TP - 200 psi, 31/64" ch., 1.260 MCFD. Opened well on 3/4" ch. 8/1-2 Testing Atoka Zone. 8/1 Time Choke Remarks 6:00 AM 31/64" 220# TP, 1.377 MMCFD 10:30 AM 3/4 " 65# TP, 1.159 MMCFD 11:15 AM. S.I. (cont'd) Dropped 1 soap stick.

EXHIBIT "B" APPLICATION FOR THE MORROW "A" FORMATION PARTICIPATING AREA, JAMES RANCH UNIT AGREEMENT EDDY COUNTY, NEW MEXICO

		∞	44	TRACT #
		Federal NM-04473	Federal NM-02887	TYPE OF LAND
		W/2 SE/4, SE/4 SE/4 Section 6, T23S-R31E	Lots 1, 2 S/2 NE/4, NE/4 SE/4 Section 6, T23S-R31E	DESCRIPTION
Total	Total Federal Land Total State Land Total Patented Land	120.00	199.92	PARTICIPATING ACRES
319.92	319.92 -0- -0-	37.5093	62.4907	% OF PARTICIPATION
		Belco Petroleum Corp. 66.6666 Bass Enterprises Production Co. 25.0000 Perry R. Bass 8.3334	Conoco, Inc. 100%	WORKING INTEREST OWNERS

EXHIBIT "B" APPLICATION FOR THE MORROW "A" FORMATION PARTICIPATING AREA, JAMES RANCH UNIT AGREEMENT EDDY COUNTY, NEW MEXICO

	æ ₩	₽ ₩	TRACT #
	Federal NM-04473	Federal NM-02887	TYPE OF LAND
	W/2 SE/4, SE/4 SE/4 Section 6, T23S-R31E	Lots 1, 2 S/2 NE/4, NE/4 SE/4 Section 6, T23S-R3IE	DESCRIPTION
Total Federal Land Total State Land Total Patented Land	120.00	199.92	PARTICIPATING ACRES
319.92 -0- -0-	37.5093	62.4907	% OF PARTICIPATION
	Belco Petroleum Corp. 66.6666 Bass Enterprises Production Co. 25.0000 Perry R. Bass 8.3334	Conoco, Inc. 100%	WORKING INTEREST OWNERS