Totals

\$52,486.64 \$180,200.95 \$58,833.79 \$210,972.72 \$62,962.95 \$23,486.63 \$22,207.92

\$611,151.60

\$9,000.00

\$620,151.60

\$232,229.96

October 1990 Material Transfers

GRAND TOTALS

			·
	Month		ynt >> 5400' KB
7	Feb-90 1ar-90	\$52,486.64 \$125,967.69	54233.26
7	1eu-90	\$100,525.98	\$30;886.86 \$110,446.74
	Ju1-90	\$32,248.84 \$23,421.75	\$30,714.11 \$64.88
	10g-90		\$5,884.11 \$232,229.96
	† •	Month Feb-90 Mar-90 Apr-90 Mey-90 Jun-90 Jul-90 Aug-90	Feb-90 \$52,496.64 Mar-90 \$125,967.69 Apr-90 \$27,946.93 Mey-90 \$100,525.98 Jun-90 \$32,248.84 Jul-90 \$23,421.75 Aug-90 \$16,323.81

Foros Pool Summery (10/28/90)

FRED SHARE 505-623-4947

- NEXT DRAFT OF SUMMARY SHEET

- WILL DELIVER A GRY OF THIS PAGE

W/ A Copy of MONTHLY ALCOHOLOS

to GITHER SAM MARTIN OR JAMES BACA

A3 PER YOUR INSTRUCTIONS

- Call Jim OBRIGAT

182450

\$9,000.00

\$387,921.64

BEFORE EXAMINER STOGNER

Oil Conservation Division

CHEUROUS Exhibit No. 4

Case No. <u>9998</u>

Well	THORNBUSH FEDERAL NO. 1		
County , State	EDDY COUNTY, NEW MEXICO		
	ПЕМ	Feb-90	TOTAL FOR
	intanyaki Costs	Page 37	Feb-90
Location	Survey, permit, etc.	1 ,440.93	1,440.93
	Legal	1,916.23	1,916.23
	Damages	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Road, pad, battery construction & clean-up		
Drilling	Footage - 9,060'		
_	Daywork		
Drilling Fluids	Mud, oil & ohemicals		
	Brine & Water		
Cement	Surface		•
	Intermediate		
	Production		
Services	Open hole logs		
	Testing: , Pot. test, BHP		
	Pulling unit		
	CBL Log, Perforating		
	Formation stimulation		
·	Yellow jacket, PU-LD, csg. orews	1,003.44	1,003.44
	Cementing		
Hauling	Oil, water, etc.		
	Equipment		
Rental	Rotating Hd., PVT, BOP, pipe racks, etc.		
	Water storage & test tanks		
Supplies	Sample sx., pipe dopė, etc.	34.18	34.18
Insurance	Normal, pro-rated		
Supervision	Geological & Mud Logger		
	Engineering		
•	Overhead		
Operations	Pumper		,
,	Other		
Contingencies	Welding, packers, misc. tools, etc.	24.50	24.50
1	Total intangibles	4,419.28	4,419.28
	Tanyible Clarks:		
Casing	Surface: 373' of 13.375"	8,470.82	8,470.82
-	Intermediate : 2437" of 8.625"	31,674.66	31,674.66
	Production: 9,477' OF 5.50Q"	·	
Tubing	9,141° of 2.375"		
Wellheads	Drilling and completion assembly	7,921.88	7,921.88
Tank Btty.	Oil and water storage	·	•
Stack pack	Separator & heater-treater		
Pumping	Rod Pump Equipment		
	Plunger Lift		
	Electric Power		•
Flowline	Including valves, fittings, etc.		
	Labor & dirt work:		
Miscellaneous	Packer, tools, etc.		
•	Tulai Tangibles	48,067.36	48,067.36

TOTAL YELL

YATES ENERGY CORPORATION

Operator YATES ENERGY CORPORATION Well THORNBUSH FEDERAL NO. 1 County, State EDDY COUNTY, NEW MEXICO ITEM Intergrate Costs Location Survey, permit, etc. Legal Damages Road, pad, battery construction & clean-up Drilling Footage - 9,060' Day work **Drilling Fluids** Mud, oil & chemicals Brine & Water Cement Burface Intermediate **Production** Services Open hale logs Testing: Pot. test, BHP Pulling unit CBL Log, Perforating Formation stimulation Yellow jacket, PU-LD, csg. crews Cementing Hauling Oil, water, etc. Equipment

Rotating Hd., PVT, BOP, pipe racks, etc.

Water storage & test tanks

Sample sx., pipe dope, etc.

Welding, packers, misc. tools, etc.

Surface: 373' of 13.375"

Intermediate: 2437' of 8.625"

Total Intangibles

Tangible Costs:

Normal, pro-rated Geological & Mud Logger

Engineering Overhead Pumper

Plunger Lift

Other

Rental

Supplies

Insurance

Supervision

Operations

Casing

Tubing Wellheads

Tank Btty.

Stack pack **Pumping**

Flowline

Misoellaneous

Contingencies

Feb. 1990 ALLOCATE TO ALLOCATE TO TOTAL FOR << 5400' KB >> 5400' KB Feb-90 1,440.93 1,440.93 1,916.23 1,916.23 1,003.44 1,003.44 34.18 34.18 24.50 24.50 4,419.28 4,419.28 8,470.82 8,470.82 31,674.66 31,674.66

7,921.88

48,067.36

Production: 9,477' OF 5.500" 9,141' of 2.375" Drilling and completion assembly Oil and water storage Separator & heater-treater Rod Pump Equipment Electric Power Including valves, fittings, etc. Labor & dirt work: Packer, tools, etc. Total Tangibles TOTAL WELL 52,486.64

48,067.36

7,921.88

52,406.64

Operator

Uperator Well	THORNBUSH FEDERAL NO. 1			
County , State	EDDY COUNTY, NEW MEXICO			
	ITEM	Mar-90	Mar-90	TOTAL FOR
	intangió le Costs	Page 36	Page 37	Mar-90
Location	Survey, permit, etc.	79.41	•	79.41
	Legal	2,743.45		2,743.45
	Damages			•
	Road, pad, battery construction & clean-up	14,127.72		14,127.72
Drilling	Footage - 9,060'	, , ,		
<i>,</i> •	Daywork			
Orilling Fluids	Mud, oil & chemicals	9,457.33		9,457.33
	Brine & Water	9,085.03		9,085.03
Cement	Burface	4,372.55		4,372.55
	Intermediate	11,036.01		11,036.01
	Production		26,542.24	26,542.24
Services	Open hole logs			
	Testing: Pot. test, BHP			
	Pulling unit			
	CBL Log, Perforating			
	Formation stimulation			
5 -	Yellow jacket, PU-LD, csg. orews	1,211.52	2,854.81	4 ,065.83
	Cementing	·		
Hauling	Oil, water, etc.			
	Equipment			
Rental	Rotating Hd., PYT, BOP, pipe racks, etc.			
	Water storage & test tanks			
Supplies	Sample sx., pipe dope, etc.			
Insurance	Normal, pro-rated			
Supervision	Geological & Mud Logger	10,739.96		10,739. 96
	Engineering		,	
	Overhead			
Operations -	Pumper			
A11	Other	. 100.15		7 /30 70
Contingencies	Welding, packers, misc, tools, etc.	2,422.48	1,210.22	3,632.70 95,882.23
	Tutal Intangibles	65,275.46	30,606.77	73,062.23
	Tanyibk Custs:			
Casing	Surface: 378' of 18.375"			
	Intermediate: 2437' of 8.625"	•	47 785 AS	47 7E7 67
.	Production: 9,477' OF 5.500"		63,753.07	63,753.07
Tubing Wellheads	9,141° of 2.375"		20,565.65	20,565.65
Tank Bity.	Drilling and completion assembly Oil and water storage			
Stack pack	Separator & heater-treater			
Pumping	Rod Pump Equipment			
i omprig	Plunger Lift			
	Electric Power			
Flowtine	including valves, fittings, etc.			
10 W U E	Labor & dirt work:			
Miscellaneous	Packer, tools, etc.			
t tie An timi la AAS	Total Tangibles		84,318.72	84,318.72
	TOTAL WELL	65,275.46	114,925.49	180,200.95

Operator

### THORMUSH FEDERAL NO. 1 County	Operator	YATES ENERGY CORPORATION			
TEM	Well	THORNBUSH FEDERAL NO. 1			
Location	County , State	EDDY COUNTY, NEW MEXICO			
Location Survey, permit, etc. 79.41 73.41 73.41 1.74.45 2.743.4		(TPL)			
Location Survey, permit, etc. 79.41 79.41 27.41 27.42 2.743.45			, · · · · ·		
Legal 2,743.45 2		WINNESONS	11 2400 KB	77 3400 KB	1147-30
Damages Road, pastery construction & clean-up 14,127.72 14,127.72	Location	Survey, permit, etc.	79.41		79.41
Proliting Pootage = 9,060		Lega!	2,743.45		2,743.45
Drilling Footage = 9,060" Daywork Daywork Durywork Drilling Fluids Production Serie & Water \$3,17.04 \$3,767.99 9,085.03 \$4,372.35 htermediate \$11,036.01 \$10,		Damages			
Dailywork		Road, pad, battery construction & clean-up	14,127.72		14,127.72
Drilling Fluids	Drilling	Footage - 9,060'			
Birline & Vater		Daywork			
Cement Bur face	Drilling Fluids	Mud, oil & chemicals	9,457.33		9,457.33
Intermediate		Brine & Water	5,317.04	3,767.99	9,085.03
Production 19,041.23 7,501.01 26,542.24	Cement ·	Burface	4,572.55	·	4,372.55
Services Open hole logs Testing: Pot. test, BHP Pulling unit CBL Log, Perforating Formation stimulation Yellow jacket, PU-LD, csg. crews Z,924.11 1,141.72 4,065.85 Cementing		Intermediate	11,036.01		11,036.01
Testing: Pot. test, BHP Pulling unit CBL Log, Perforating Formation stimulation Yellow jacket, PU-LD, osg. orews Cementing Oil, water, etc. Equipment Rental Rotating Hd., PVT, BOP, pipe racks, etc. Water storage & test tanks Supplies Sample sx., pipe dope, etc. Insurance Normal, pro-rated Geological & Mud Logger 3,129.00 7,610.96 10,739.96 Engineering Overhead Operations Pumper Other Contingencies Welding, packers, misc, tools, etc. Total intemplakers 75,676.46 20,505.77 95,882.28 Total intemplakers 75,676.46 Total intemplakers 75,676.46 Total intemplakers 75,676.46 Total intemplakers		Production	19,041.23	7,501.01	26,542.24
Pulling unit CSL Log, Perforating Formating stimulation Yellow jacket, PU-LD, cog. crews 2,924.11 1,141.72 4,065.85 Cementing	Services	· · · · · · · · · · · · · · · · · · ·			
CBL Log, Perforating Formation stimulation Yellow jaket, PUI-LD, csg. crews 2,924.11 1,141.72 4,065.85 Cementing					
Formation stimulation Yellow jacket, PU-LD, osg, orews Cementing Oil, water, etc. Equipment Rental Rotating Hd., PVT, BDP, pipe raoks, etc. Water storage & test tanks Supplies Sample sx., pipe dope, etc. Insurance Normal, pro-rated Supervision Geological & Mud Logger 3,129.00 7,610.96 10,739.96 Engineering Overhead Operations Pumper Other Contingencies Welding, packers, misc, tools, etc. 3,148.61 484.09 3,632.70 **Total krismpikus*** 75,376.46 20,505.77 95,892.23 **Total krismpikus**** 75,376.46 20,505.77 95,892.23 **Total krismpikus************************************		Pulling unit			
Yellow jacket, PU-LD, csg. crews		CBL Log, Perforating			
Cementing		Formation stimulation			
Hauling Cit, water, etc. Equipment	•	Yellow jacket, PU-LD, csg. crews	2,924.11	1,141.72	4,065.85
Equipment Rotating Hd., PVT, BOP, pipe raoks, etc. Water storage & test tanks		Cementing	·		
Rotating Hd., PVT, BOP, pipe racks, etc.	Hauling	Oil, water, etc.			
# Water storage & lest tanks Supplies Sample sx., pipe dope, etc. Insurance Normal, pro-rated Supervision Geological & Mud Logger \$,129.00 7,610.96 10,739.96 Engineering Overhead Operations Pumper Other		Equipment			
Supples Sample sx., pipe dope, etc. Insurance Normal, pro-rated Supervision Geological & Mud Logger \$,129.00 7,610.96 10,739.96 Engineering Overhead Operations Pumper Other	Rental	Rotating Hd., PVT, 80P, pipe racks, etc.			
Normal, pro-rated Supervision Geological & Mud Logger S,129.00 7,610.96 10,739.96 Engineering Overhead		Water storage & test tanks			
Supervision Geological & Mud Logger \$,129.00 7 ,610.96 10 ,739.96	Supplies	Sample sx., pipe dope, etc.		•	
Engineering Overhead Operations Pumper Other Contingencies Welding, packers, misc, tools, etc. 3,148.61 484.09 3,632.70 **Folial Intermediate: 2437' of 8.625" Production: 9,477' OF 5.500" 38,251.84 25,501.23 63,753.07 Tubing 9,141' of 2.375" 12,339.39 8,226.26 20,565.65 Weltheads Drilling and completion assembly Tank Bitty Oil and water storage Stack pack Separator & heater-treater Pumping Rod Pump Equipment Plunger Lift Electric Pawer Flowline Including valves, fittings, etc. Labor & dirt work: Miscellaneous Packer, tools, etc. **Total Tangibles** Total Tangibles** 50,591.23 33,727.49 84,318.72	insurance				
Operations	Supervision	Geological & Mud Logger	3,129.00	7,610.96	10,739.96
Departions Pumper Other Other	•	Engineering			
Other Welding, packers, misc, tools, etc. 3,148.61 484.09 3,632.70 Fold Intangibles 75,376.46 20,505.77 95,882.28 Fangible Costs:		Overhead			
Contingencies Welding, packers, misc, tools, etc. 3,148.61 484.09 3,632.70 75,376.46 20,505.77 95,882.28	Operations	•			
Total Interpolates 75,376.46 20,505.77 95,882.28		•			
Tanythic Costs: Surface: 373' of 13,375" Intermediate: 2437' of 8.625" Production: 9,477' 0F 5.500" 38,251.84 25,501.23 63,753.07 Tubing	Contingencies	Welding, packers, misc, tools, etc.	<u> 3,148.61</u>	484,09	3,632.70
Surface: 373' of 18.375" Intermediate: 2437' of 8.625" Production: 9,477' OF 5.500" 38,251.84 25,501.23 63,753.07 Tubing 9,141' of 2.375" 12,339.39 8,226.26 20,565.65 Veliheads Drilling and completion assembly Tank Bitty Oil and water storage Staok pack Separator & heater-treater Pumping Rod Pump Equipment Plunger Lift Electric Pawar Flowline Inoluding valves, fittings, etc. Labor & dirt work: Packer, tools, etc. For a standard product Packer, tools, etc. For a standard product For a	•	Total Intangibles	75,376.46	20,505.77	95,882.28
Surface: 373' of 18.375" Intermediate: 2437' of 8.625" Production: 9,477' OF 5.500" 38,251.84 25,501.23 63,753.07 Tubing 9,141' of 2.375" 12,339.39 8,226.26 20,565.65 Veliheads Drilling and completion assembly Tank Bitty Oil and water storage Staok pack Separator & heater-treater Pumping Rod Pump Equipment Plunger Lift Electric Pawar Flowline Inoluding valves, fittings, etc. Labor & dirt work: Packer, tools, etc. For a standard product Packer, tools, etc. For a standard product For a		Tansible Costs :			
Production: 9,477' 0F 5.500" 38,251.84 25,501.23 63,753.07	Casing				
Production: 9,477' 0F 5.500" 38,251.84 25,501.23 63,753.07		Intermediate: 2437' of 8,625"			
Tubing 9,141' of 2.375" 12,339.39 8,226.26 20,565.65 Wellheads Drilling and completion assembly Tank Bitty. Oil and water storage Staok pack Separator & heater-treater Pumping Rod Pump Equipment Plunger Lift Electric Power Flowline Including valves, fittings, etc. Labor & dirt work: Miscellaneous Packer, tools, etc. Total Tangibles 50,591.23 33,727.49 84,318.72			38.251.84	25.501.23	63 753 07
Wellheads Drilling and completion assembly Tank Bity. Oil and water storage Stack pack Separator & heater-treater Pumping Rod Pump Equipment Plunger Lift Electric Power Flowline Including valves, fittings, etc. Labor & dirt work: Miscellaneous Packer, tools, etc. 101st Tangolis 50,591.23 33,727.49 84,318.72	Tubing		•	•	•
Tank Bity. Gil and water storage Stack pack Separator & heater-treater Pumping Rod Pump Equipment Plunger Lift Electric Power Flowline Including valves, fittings, etc. Labor & dirt work: Packer, tools, etc. 70fal Tangibles 50,591.23 33,727.49 84,318.72	Wellheads	Drilling and completion assembly	,		
Stack pack Separator & heater-treater Rod Pump Equipment Plunger Lift Electric Power Flowline Including valves, fittings, etc. Labor & dirt work: Packer, tools, etc. 1014/ Tanyibles 50,591.23 33,727.49 84,318.72	Tank Bitty.				
Plunger Lift Electric Power Flowline Inoluding valves, fittings, etc. Miscellaneous Packer, tools, etc. 7014/ Tangibles 50,591.23 33,727.49 84,318.72	Stack pack	▼			
Electric Pawer Flowline Including valves, fittings, etc. Labor & dirt work: Packer, tools, etc. 7014/ Tangibles 50,591.23 33,727.49 84,318.72	Pumping	Rod Pump Equipment			
Flowline Including valves, fittings, etc. Labor & dirt work: Miscellaneous Packer, tools, etc. 70(a) Tanyables 50,591.23 33,727.49 84,318.72		Plunger Lift			
Labor & dirt work: Miscellaneous Packer, tools, etc. **Total Tangibles*** 50,591.23 33,727.49 84,318.72		Electric Power			
Labor & dirt work: Miscellaneous Packer, tools, etc. **Total Tangibles*** 50,591.23 33,727.49 84,318.72	Flowline	Including valves, fittings, etc.			
Total Tanyibles 50,591.23 33,727.49 84,318.72					
Total Tanyibles 50,591.23 33,727.49 84,318.72	Miscellaneous	Packer, tools, etc.			
			50,591.23	33,727.49	84,318.72
180,200.95	·	TOTAL MELL			
		IUINE VELL	1.43.76 f.64	34,263.26	180,200,35

Operator YATES ENERGY CORPORATION
Well THORNBUSH FEDERAL NO. 1
County, State EDDY COUNTY, NEW MEXICO

	пем_	Apr-90	Apr-90	TOTAL FOR
	intengible Costs	Page 36	Page 37	Apr-90
Location	Survey, permit, etc.		,	
	Legal	(1,671.12)		(1,671.12)
•	Damages	(· , · · · · · · · · · · · · · · · · ·		(1)
	Road, pad, battery construction & clean-up		522.92	522.92
Drilling	Footage - 9,060'			
	Daywork			•
Drilling Fluids	Mud, off & chemicals >		1,544.98	1,544.98
	Brine & Water	122,70	2,269.07	2,391.77
Cement	Burface		_,	
	intermediate		•	
	Production			
Services	Open hole logs	20,814,49		20,814.49
	Testing: Pot. test, BHP			
	Pulling unit			
	CBL Log, Perforating		7,882.18	7,882.18
	formation stimulation	•	7,916.68	7,916.68
• • •	Yellow jacket, PU-LD, esg. crews		1,070.00	1,210.00
	Cementing		4,911.66	4,911.66
Hauling	Oil, water, etc.		1,011.00	7,711.00
•	Equipment	•		
Rental	Rotating Hd., PYT, BQP, pipe racks, etc.		3,343.33	3,343.33
	Water storage & test tanks		471.94	471.94
Supplies	Sample ≤×., pipe dope, etc.	•	411.24	411.54
insurance	Normal, pro-rated			
Supervision	Geological & Mud Logger			
•	Engineering			•
	Overhead			
Operations	Pumper			
••	Other			•
Contingencies	Welding, packers, miso, tools, etc.		4,858.67	4,858.67
•	Total Intengibles	19,266.07	38,721.43	52,987.50
	•	17,200.01	. 90,121,40	02,701.00
	Tangible Costs:			
Casing	Surface: 373' of 13.375"	(689.25)		(689.25)
	Intermediate: 2437' of 8.625"	(441,95)		(441.95)
	Production: 9,477' OF 5.500"		(1 ,838.02)	(1,838.02)
Tubing	9,141' of 2.575"			
Wellheads	Drilling and completion assembly		8,679.20	8,679.20
Tank Bitty.	Oil and water storage			
Stack pack	Separator & heater-treater			
Pumping	Rod Pump Equipment			
	Plunger Lift			
P332	Electric Power			
Flowline	including valves, fittings, etc.			
	Labor & dirt work:			
Miscellaneous	Packer, tools, etc.	•	136.31	136.31
	Total Tangibles	(1,131.20)	6,977.49	5,846.29
	TOTAL WELL	18,134.87	40,698.92	58,833.79
	·			

ALLOCATION OF COSTS

Yell	THORNBUSH FEDERAL NO. 1			
County, State	EDDY COUNTY, NEW MEXICO			
		- ,,,	APR. 1990	
	ITEM	ALLOCATE TO	ALLOCATE TO	TOTAL FOR
	htsnejble Costs	<< 5400, KB	>> 5400' KB	Apr-90
Location	Survey, permit, etc.			
	Legal	(1,671.12)		(1,671.12)
	Damages			
A. Data	Road, pad, battery construction & clean-up	522.92		5 22. 9 2
Drilling	Footage - 9,060'			
Parillia a Cluida	Daywork			
Drilling Fluids	Mud, oil & ohemicals Brine & Water		1,544.98	1,544.98
Cement	Burface		2,391.77	2,391.77
OF ILLOW	Intermediate			
	Production	·		
Services	Open hole logs	12,200.00	8,614.49	20,814.49
	Testing: Pot. test, BHP	14,200.00	4761 4143	40,017.75
	Pulling unit			
	CBL Log, Perforating	2,500.00	5,382.18	7,882.18
Control of the	Formation stimulation	_,	7,916.68	7,916.68
	Yellow jacket, PU-LD, csg. crews		. ,	.,
	Cementing		4,911.66	4,911.66
Hauling	Oil, Water, etc.		•	•
	Equipment			
Rental	Rotating Hd., PVT, BOP, pipe racks, etc.	3,343.33		3,343.83
	Yater storage & test tanks	471.94		471.94
Supplies	Sample sx., pipe dope, etc.	1		
Insurance	Normal, pro-rated	•		
Supervision	Geological & Mud Logger			
	Engineering			
On a sea of face of	Overhead France			
Operations	Pumper Other			
Contingenales		4 300 34	7.647.67	
Contradenda	Welding, packers, miso, tools, atc. Total intensities	1,792.74	3,065.93	4,858.67
	•	19,159.81	33,827.69	52,987,50
.	Tangible Clustes:			
Casing	Surface: 878' of 13.875"	(689.25)		(689.25)
	Intermediate: 2487' of 9,625"	(441.95)		(441.95)
Tukika	Production: 9,477' OF 5,500"	1,102.81	(2,940.83)	(1,838.02)
Tubing Wellheads	9,141° of 2.373" Drilling and completion assembly	0.470.44		
Tank Bitty.	Oil and water storage	8,679.20		8,679.20
Stack pack	Separator & heater-treater			
Pumping	Rod Pump Equipment			
	Plunger Lift			
•	Electric Power			
Flowline	including valves, fittings, etc.			
	Labor & dirt work:			
Miscellaneous	Packer, tools, etc.	136.31		136.31
	Total Tangibles	8,787.12	(2,940.83)	5,846.29
	TOTAL YELL	27,946.98		
	TWY TYRE III Cody by	21,740.78	30,886.86	58,833.79

Yell	THORNBUSH FEDERAL NO. 1				
County , State	EDDY COUNTY, NEV MEXICO				
	ITEM	May-90	May-90	May-90	TOTAL F
	hlangièle Custs	Page 1	Page 2	Page 4	May-
Location	Survey, permit, etc.	•	•		
	Legal	177.45			177.
	Damages			}	
	Road, pad & clean-up				
Drilling	Footage - 9,060'	124,781.53			124,781
•	Daywork	,	6,683.16		6,633
Drilling Fluids	Mud, oil & chemicals		-,		-,
·	Brine & Water				
Cement	Surface				
	Intermediate				
	Production				
Services	ÓH Logs				
	Testing: Pot. test w/ BHP				
	Pulling unft				
,	CBL Log & Porforate	13,933.09			13,933
	Formation Stimulation	22,141.27	14,777.29		36,918
	Yellow jacket, PU-LD, osg. crews	 ,			
	Cementing		1,114.30		1,114
Hauling	Oil, water, etc.		5,579.99		5,579
•	Equipment		399.53		398.
Rental	Rotating Hd., PVT, BOP, pipe racks, etc.		2,499.06		2,499
	Water storage & test tanks		1,690.59		1,690
Supplies	Sample sx., pipe dope, etc.		1,054,07		,,000
Insurance	Normal, pro-rated				
Supervision	Geological & Mud Logger				
•	Engineering	11,439.19	•		11,438
å	Overhead	• • • • • • • • • • • • • • • • • • • •		1,703.28	1,703
Operations	Pumper			300 .00	300.
•	Other		490.30		490.
Contingencies	Welding, packers, misc. tools, etc.	3,105.79	208.10		3,313.
·	Tutal Intangibles	175,578.12	33,391.32	2,003.28	210,972
	Tangible Costs:				
Casing	Surface: 373' of 13.375"	· · · · · · · · · · · · · · · · · · ·			
-	Intermediate: 2437" of 8.625"				
	Production: 9,477' OF 5.500"				
Tubing	9,141' of 2.375"				
Wellheads	Drilling and completion assembly			•	
Tank Bitty.	Oil and water storage				
Stack pack	Separator & heater-treater				
Pumping	Rod Pump, Equipment				
-	Plunger Lift		•		
	Electric Power				
Flowline	Including valves, fittings, etc.	•			
	Labor & dirt work:				
Miscellaneous	Packer, tools, etc.				
	Total Tangibles				
	TOTAL	175.578.12	38,891.32	2,003,28	210,972
4 - 4					house a way of the

THORNBUSH FEDERAL NO. 1

Operator

County, State	EDDY COUNTY, NEW MEXICO	14 1000			
	18040.4		May. 1990		
	ITEM	ALLOCATE TO	ALLOCATE TO	TOTAL FOR	
	Intanyible Costs	<< 5400' KB	>> 5400' KB	May-90	
Location	Survey , permit , etc.				
	Legal	177.45		177.45	
	Damages				
	Road, pad & clean-up				
Drilling	Footage = 9,060'	74,306.24	50,475.29	1,24,781.53	
	Daywork	5,298.39	1,334.77	6,633.16	
Drilling Fluids	Mud, oil & chemicals	,		,	
	Brine & Water				
Cement	Surface				
	Intermediate				
	Production				
Services	OH Logs	·			
	Testing: Pot. test w/ BHP				
	Pulling unit				
	CBL Log & Perforate	1,928.13	12,005.76	13,933.89	
w. · · ·	Formation Stimulation	10,303.89	26,614.67	36,918.56	
	Yellow jacket, PU-LD, osg. crews				
	Cementing		114.30 أ, 1	1,114.30	
Hauling	Oil, water, etc.		5,579.99	5,579.99	
	Equipment	•	398.53	398.53	
Rental	Rotating Hd., PYT, BOP, pipe racks, etc.	874.67	1,624.39	2,499.06	
	Water storage & test tanks	712.80	977.79	1,690.59	
Supplies	Sample sx., pipe dope, etc.				
Insurance	Normal, pro-rated		•		
Supervision	Geological & Mud Logger				
	Engineering	3,653.37	7,784.82	11,438,19	
A	Overhead	1703.28		1,703.28	
Operations	Pumper	300,00		300.00	
Carlinia a	Other	490.30		490.30	
Contingencies	Welding, packers, misc. tools, etc.	777.46	2,536.48	3,313.89	
	Total Intangibles	100,525.98	110,446.74	210,972.72	
	Tangible Costs:				
Casing	Surface: 373' of 13,375"				
,	Intermediate: 2487' of 8.625"				
	Production: 9,477' OF 5.500"				
Tubing	9,141° of 2.375"				
Weitheads	Drilling and completion assembly	•			
Tank Btty.	Dil and water storage		•		
Stack pack	Separator & heater-treater				
Pumping	Rod Pump Equipment				
	Plunger Lift				
	Electric Power				
Flowline	including valves, fittings, etc.				
	Labor & dirt work:				
Miscellaneous	Packer, tools, etc.				
	Total Tangibles				
	TOTAL	100,525.98	110,446.74	210,972.72	

Operator Con	THORNBUSH FEDERAL NO. 1			
Yell				
County , State	EDDY COUNTY, NEY MEXICO			
	ITEM	Jun-90	Jun-90	TOTAL FOR
	Intervible Custs	Page 83	Page 34	Jen-90
	41/41/41818 645/0			
Location	Survey , permit , etc.		•	
	Legal	1,478.50		1,478.50
	Damages			
·	Road, pad, battery construction & clean-up			
Drilling	Footage - 9,060'			
m 1981 14.	Daywork			
Drilling Fluids	Mud, off & chemicals			
	Brine & Water			
Cement	Burface			
	Intermediate Production			
Services	Open hole logs			
OFF TICES	Testing: Pot. test, BHP			
	Pulling unit	955.65	39,892.90	40,948.55
	CBL Log, Perforating	700.00	37,872.30	40,040.00
	Formation stimulation	,		
· . · .	Yellow jacket, PU-LD, csg. crews			
	Cementing			
Hauling	011, water, etc.			
naunig .	Equipment			
Rental	Rotating Hd., PYT, 80P, pipe racks, etc.			
	Water storage & test tanks		780.27	780.27
Supplies	Sample sx., pipe dope, etc.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Insurance	Normal, pro-rated			
Supervision	Geological & Mud Logger			
	Engineering	2,018.49		2,019.48
	Overhead	·		•
Operations	Pumper	300.00		300.00
	Other	1,037.79	35 9.19	1,396.98
Contingencies	Welding, packers, misc. tools, etc.	<u>,</u>	1,252.18	1,252,18
	Total Interngibles	5,790.42	42,284.54	48,074.96
	Tangible Costs:			
Casing	Surface: 373' of 13.375"			
	Intermediate: 2437' of 8.625"			
	Production: 9,477' OF 5.500"			
Tubing	9,141° of 2.375"			
Wellheads	Drilling and completion assembly		(448.91)	(448.91)
Tank Btty.	Oil and water storage			
Stack pack	Separator & heater-treater		2,035.67	2,035.67
Pumping	Rod Pump Equipment		·	
	Plunger Lift		6,521.08	6,521.08
	Electric Power			
Flowline	including valves, fittings, etc.		5,833.53	5,833.53
	Labor & dirt work:	•	420.18	420.18
Misoellaneous	Packer, tools, etc.		526.44	526.44
	Total Tangibles		14,887.99	14,887.99
	TOTAL WELL	5,790.42	57,172.53	62,962.95

Operator	YATES ENERGY CORPORATION			
₩e]]	THORNBUSH FEDERAL NO. 1			
County, State	EDDY COUNTY, NEW MEXICO			
	ITEM	ALLOCATE TO	ALLOCATE TO	TOTAL FOR
	Intangible Costs	<< 5400' KB	>> 5400" KB	Jun-90
41				
Location	Survey, permit, etc.		•	
	Legal	1,479.50		1 ,478.50
	Damages			
A	Road, pad, battery construction & clean-up			
Drilling	Footage - 9,060'			
- may	Daywork			
Drilling Fluids	Mud, oil & chemiosis			
	Brine & Water			
Cement	Burface			
	intermediate			•
•	Production			
Services	Open hole logs			
	Testing: Pot. test, BHP			
	Pulling unit	10,860.18	29,988.37	40,848.55
	CBL Log, Perforating		•	
	Formation stimulation	•		
	Yellow Jacket, PU-LD, csg. orews			
	Cementing			
Hauling	Oil, water, etc.			
	Equipment			*
Rental	Rotating Hd., PYT, BOP, pipe racks, etc.			
	Water storage & test tanks	78 0.27		780.27
Supplies	Sample sx., pipe dope, etc.			
insurance	Normal, pro-rated			
Supervision	Geological & Mud Logger		•	
	Engineering	2,019,49		2,019.48
-	Overhead			
Operations	Pumper	300.00		00.005
	Other	1 ,396.98		1,396.98
Contingencies	Welding, packers, misc. tools, etc.	526,44	725.74	1,252.18
	Total Intergibles	17,360.85	30,714.11	48,074.96
	Fangible Costs:			
Casing	Surface: 373' of 13.375"			
•	Intermediate: 2437' of 8.625"			
	Production: 9,477' OF 5,500"			
Tubing	9,141' of 2.875"			
Wellheads	Drilling and completion assembly	(448.91)		(448.91)
Tank Btty.	Oil and water storage	(140,515		(16.917)
Stack pack	Separator & heater-treater	2,035.67		2,035.67
Pumping	Rod Pump Equipment	w/040.01		2,000.51
	Plunger Lift	6,521.08		6,521.08
	Electric Power	JJ21,20		اعدره
Flowline	including valves, fittings, etc.	5,833.53		5,833.53
	Labor & dirt work:	420,18		420.18
Miscellaneous	Packer, tools, etc.	526.44		526.44
	Total Tangibles	14,887.99		14,887.99
	TOTAL WELL	-	70 44 4 4	
	(MINP APP	32,249.94	30,714.11	62,962.95

Operator	YATES ENERGY CORPORATION			LUCK HOR OF CO
'#'ell	THORNBUSH FEDERAL NO. 1			
County , State	EDDY COUNTY, NEY MEXICO			
ooding, state	TATE OF THE PROPERTY OF			
	ITEM	_ Ju1-90	Ju1-98	TOTAL FOR
	hlangible Costs	Page 38	Page 39	Ja1-90
Location	Survey, permit, etc.			
	Legal		63.68	63.68
	Damages .			
	Road, pad, battery construction & clean-up			
Drilling	Footage - 9,060'			
	Deywork			
Drilling Fluids	Mud, oil & chemicals			
	Brine & Water			
Cement	Burface			
	Intermediate			
	Production			
Services	Open hole logs			
	Testing: Pot. test, BHP			
	Pulling unit			
	CBL Log, Perforating.			
~,	Formation stimulation	,		
	Yellow jacket, PU-LD, osg. orews			
	Cementing			
Hauling	017, water, etc.		•	
•	Equipment			
Rental	Rotating Hd., PYT, BOP, pipe racks, etc.			
	Water storage & test tanks			
Supplies	Sample sx., pipe dope, etc.			
insurance -	Normal, pro-rated			
Supervision	Geological & Mud Logger			
	Engineering			
	Overhead	•		
Operations	Pumper		180.00	180.00
	Other	294.05	368.46	662.51
Contingencies	Welding, packers, misc. tools, etc.		1,935.85	1,935.85
•	Total Intangibles	294.05	2,547.99	2,842.04
	Tangible Costs:	W- 1155	_,_ ,,,,,,,,	5,5 (2.0)
Casing	Surface: 375' of 13.375"			
Cesalg	intermediate: 2437: of 8,625"			
	Production: 9,477' OF 5.500"			
Tubing	9,141' of 2.375"			
Weltheads	Orilling and completion assembly			
Tank Bity.	Oil and water storage			
Stack pack	Separator & heater-treater		700.10	200.40
Pumping	Rod Pump Equipment		792.19	792.19
rumping	Plunger Lift	u .,	19,852,40	19, 9 52.40
	Electric Power			
Flowline	Including valves, fittings, etc.			
I IOWINE	Labor & dirt work:		•	
Miscellaneous				
I-(DAA)MIMAAR2	Packer, tools, etc. Total Tangibles	-	20 444 80	20 644 \$5
		· ·	20,644.59	20,644.59
	TOTAL YELL	294.05	23,192.58	23,486.63

_				
Operator	YATES ENERGY CORPORATION			
Well	THORNBUSH FEDERAL NO. 1			
County , State	EDDY COUNTY, NEW MEXICO		JULY. 1990	
	ITEM	ALLOCATE TO	ALLOCATE TO	TOTAL FOR
	hlangāje Custs	<< 5400' KB	>> 5400' KB	Jul-89
Location	Survey, permit, etc.			
	Legal		63.68	63.68
	Damages :		V V.00	44,44
	Road, pad, battery construction & clean-up			
Drilling	Footage - 9,060'			
• • • • • • • • • • • • • • • • • • • •	Daywork			
Drilling Fluids	Mud, oil & chemicals			
•	Brine & Water			
Cement	Burface			
•	Intermediate			
	Production			
Services	Open hole logs			
	Testing: Pot. test, SHP			
	Pulling unit			
	CBL Log, Perforating			
	Formation stimulation			
	Yellow jacket, PU-LD, osg. orews			
;	Cementing			
Hauling	Oil, water, etc.			
.	Equipment	•		
Rental	Rotating Hd., PVT, BOP, pipe racks, etc.			
Complian	Vater storage & test tanks			
Supplies - Maurance	Sample sx., pipe dope, etc.			
Supervision	Normal, pro-rated Geological & Mud Logger			
ouper vision	Engineering			
	Overhead			
Operations	Pumper	180.00		190
oper ottota	Other	661.31	1.20	
Contingenoies	Welding, packers, misc. tools, etc.	1,935.95	1.20	662.51
	Total Intengibles	2,777.16	64.88	1985.65
	•	4)11110	Q+,00	2,042.04
Camina	Tangible Costs:			
Casing	Surface: 373' of 13.875"			
	Intermediate: 2437' of 8.625"			
Tubing	Production: 9,477° OF 5.500° 9,141° of 2.375°			
Wellheads	Drilling and completion assembly			
Tank Bitty.	Oil and water storage			
Stack pack	Separator & neater-treater	792,19		792.19
Pumping	Rod Pump Equipment	19,852.40		19852.4
, .	Plunger Lift	12,404,70		17032.7
	Electric Power			
Flowline	including valves, fittings, etc.			
	Labor & dirt work:			
Miscellaneous	Packer, tools, etc.			
	Total Tangibles	20,644.59		20,644.59
	TOTAL WELL	23,421,75	64.88	23,486.63

28,746.69

22,207.92

(6,588.77)

YATES ENERGY CORPORATION Operator THORNBUSH FEDERAL NO. 1 Well: County: Eddy County, New Mexico Aug-90 TOTAL FOR Aug-90 TEM Page 34 Aug-90 intergrish Lusts Page 33 Survey, permit, etc. Location 1,765.59 1765.59 Legal Damages Road, pad, battery construction & clean-up Drilling Footage - 9,060' Daywork Drilling Fluids Mud, oil & chemicals Brine & Water Burface Cement Intermediate **Production** Open hole logs Services Testing: Pot. test, BHP Pulling unit CBL Log, Perforating 5,763.34 5,763.34 Formation stimulation Yellow Jacket, PU-LD, osg. orews Cementing Oil, water, etc. Hauling Equipment 2,378.84 2,378.84 Rotating Hd., PVT, BOP, pipe racks, etc. Rental Water storage & test tanks Supplies Sample sx., pipe dope, etc. Normal, pro-rated Insurance Geological & Mud Logger 120.77 120.77 Supervision Engineering Overhead 180.00 180.00 Operations Pumper Other 3,992.86 3,992.86 Welding, packers, miso. tools, etc. Contingenoles 120.77 14,080.63 14,201.40 Tutal Intergribles Tangibir Costs: Surface: 373' of 13,375" Casing Intermediate: 2437' of 8.625" Production: 9,477' OF 5.500" Tubing 9,141' of 2.375" -Wellheads Drilling and completion assembly 6,617.26 Tank Bitty. Oil and water storage 6,617.26 Stack pack Separator & heater-treater 4,811.05 4,811.05 Rod Pump Equipment Pumping Plunger Lift (6,659.54) (6,659.54) Flowline Electric Power 3,237.75 3,237.75 including valves, fittings, etc. Labor & dirt work: Miscellaneous Packer, tools, etc. Tutal Tanyibles (6,659,54) 14,666.06 8,006.52

TOTAL YELL

Operator	YATES ENERGY CORPORATION THORNBUSH FEDERAL NO. 1			
₩ell:				
County:	Eddy County, New Mexico	AUG. 1990		
	ITEM	ALLOCATE TO	ALLOCATE TO	TOTAL FOR
	intengible Costs	<< 5400' KB	>> 5400' KB	Aug-90
Location	Survey , permit , etc.			4 7/5 60
	Legal	1,765,59	- 	1,765.59
	Damages			
Dudlina	Road, pad, battery construction & clean-up			
Drilling	Footage - 9,060'			
A	Daywork			
Drilling Fluids	Mud, oil & chemicals Brine & Water			
Cement	Burface			
	Intermediate			
	Production			
Services	Open hole logs			
34 1 11342	Testing: Pot. test, BHP			
	Pulling unit			
	CBL Log, Perforating			
	Formation stimulation		5,763.34	5,763.34
	Yellow jacket, PU-LD, osg. arews		•	,
	Cementing			
Hauling	Oil, water, etc.			
•	Equipment			
Rental	Rotating Hd., PYT, BOP, pipe racks, etc.	2,378.84		2,378.84
	Water storage & test tanks	2,0.0.2		5,010101
Supplies	Sample sx., pipe dope, etc.			
Insurance	Hormal, pro-rated			
Supervision	Geological & Mud Logger		120.77	120.77
Topol Vision	Engineering		720.17	120.77
	Overhead			
Operations	Pumper	190.00		180.00
oper trians	Other	3,992.86		3,992.86
Contingencies	Yelding, packers, miso, tools, etc.	3,772.00		0,772.00
Contaigenous	Tutal Intangibles	8,317.29	5,884.11	14,201.40
	Tanyible Costs:	2,0111	2,22	
Casing	Surface: 373' of 13.375"		;	
•	Intermediate: 2437' of 8,625"		•	
	Production: 9,477' OF 5.500"			
Tubing	9,141' of 2,375"			
Weitheads	Orilling and completion assembly			
Tank Btty.	Oil and water storage	6,617.26		6,617.26
Stack pack	Separator & heater-treater	4,811.05		4,811.05
Pumping	Rod Pump Equipment	4,011.00		47011100
	Plunger Lift	(6,659.54)		(6,659.54)
Flowithe	Electric Power	3,237.75	•	3,237.75
	including valves, fittings, etc.	• j== · · · •		٠,٠٠٠ تار ت
Miscellaneous	Labor & dirt work:			
= =	Packer, tools, etc.			
٠.	Total Tangibles	8,006.52		8,006.52
	TOTAL WELL	16,323.81	5,884.11	22,207.92
		<u> </u>		

•					
Operator Yell:	THORNBUSH FEDERAL NO. 1	MANUESTAL VANALSTERS OUTLY			
County:	Eddy County, New Mexico				
			Oet. 1990		
	ITEM	ALLOCATE TO	ALLOCATE TO	TOTAL FOR	
	Intangible Costs	<< 5400' KB	>> 5400' KB	Oct-90	
Location	Survey , permit , etc.				
FOORTION	Legal		•		
	Damages				
	Road, pad, bettery construction & clean-up				
Drilling	Footage - 9,060'				
Dr ming	Daywork				
Drilling Fluids	Mud, of & chemicals				
Drining rangs	Brine & Water				
Cement	Burface				
Cement	htermediate				
	Production				
Bandana					
Services	Open hole logs				
	Testing: Pot. test, BHP				
	Pulling unit				
	CBL Log, Perforating Formation stimulation		•		
4.7					
	Yellow jacket, PU-LD, csg. crews				
	Cementing				
Hauting	Oil, water, etc.				
	Equipment				
Rental	Rotating Hd., PVT, BOP, pipe racks, etc.				
	Water storage & test tanks	•			
Supplies	Sample sx., pipe dope, etc.				
insurance	Normal, pro-rated				
Supervision	Geological & Mud Logger				
	Engineering		•		
	<u>Overhead</u>				
Operations	Pumper				
	Other				
Contingencies	Welding, packers, misc. tools, etc.				
	Total intengiõies				
	Tangiók Costs:				
Casing	Surface: 373' of 13.375"				
	Intermediate: 2437' of 8.625"				
	Production: 9,477' OF 5.500"				
Tubing	9,141' of 2,375"				
Wellheads	Drilling and completion assembly			•	
Tank Bity.	Oil and water storage	7,250.00		7,250.00	
Stack pack	Separator & heater-treater	1,750.00		1,750.00	
Pumping	Rod Pump Equipment	ŕ		•	
	Plunger Lift				
Flowline	Electric Power				
	including valves, fittings, etc.				
Miscellaneous	Labor & dirt work:				
	Packer, tools, etc.				
	Tutal Tangibles	9,000.00		9,000.00	
	•	-			
•	TOTAL YELL	9,000,00		9,000,00	