F O. Fox 198:)
Hobbs, NM 88241-1980
District II - (505) 748-1283
E11 S. First
Artesia, NM 88210
District III - (505) 334-6178
C Rio Brazos Road
NM 87410
District IV

New Mexico

Energy 'inerals and Natural Resources partment

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

(505) 827-7131

Form C-140 Originated 11/1/95

> Submit Original Plus 2 Copies to appropriate District Office

APPLICATION FOR QUALIFICATION OF WELL WORKOVER PROJECT AND CERTIFICATION OF APPROVAL

THREE COPIES OFTHIS APPLICATION AND ALL A	TTACHMENTS MUST BE FILED WITH THE APPROPRIATE DISTRICT
OFFICE OF THE OIL CONSERVATION DIVISION.	

l.	Operator: TITAN RESOURCES I, INC. OGRID #:OGRID #:
	Address: 500 W. TEXAS, SUITE 500, MIDLAND TX 79701
	Contact Party: BRUCE WOODARD Phone: 915/682-6612
11.	Name of Well: E. O. CARSON NO. 18 API #:30-025-06872 Location of Well: Unit LetterM 660Feet from the _SOUTH _ line and _760feet from the _WESTline, Section28 , Township21S _, Range _37E _, NMPM,LEA County
III.	Date Workover Procedures Commenced: 4/18/97 Date Workover Procedures were Completed: 4/25/97
IV.	Attach a description of the Workover Procedures undertaken to increase the projection from the Well.
	Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.
VI.	Pool(s) on which Production Projection is based:
	49210 PADDOCK
VII.	AFFIDAVIT:
	State of TEXAS)) ss. County of MIDLAND)
	Bruce Woodard, being first duly sworn, upon oath states:
	I am the Operator or authorized representative of the Operator of the above referenced Well.
	 I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
	To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound/petroleum/engineering principles. (Name) BRUCE WOODARD
	, Italian Hooding
	PRODUCTION OPERATIONS MANAGER (Title)

SUBS	CRIBED AND SWORN TO before me this 25 th day of July, 1997
,	HAYLIE M. URIAS Notary Public, State of Texas My Commission Expires 8-24-98 Notary Public
Му Со	ommission expires:
FOR C	OIL CONSERVATION DIVISION USE ONLY:
VIII.	CERTIFICATION OF APPROVAL:
	This Application for Qualification of Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). The Oil Conservation Division hereby verifies the Production Projection for the Well Workover Project attached to this application. By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project has been completed as of
	fred Trans
	District Supervisor, District 7
	Oil Conservation Division Date: \$\frac{120}{97}\$
IX.	DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.

DATE: _

8/13/a/

Submit 3 Copies

APPRO VED BY -

CONDITIONS OF APPROVAL, IF ANY:

State of New Mexico als and Natural Resources Denartment

Form C-103

- DATE -

te / ppropriate District Office	Estagy, IVE 1825 and I value in	would beparen	Revised 1-1-89
DISTRICTI	OIL CONSERVATIO	ON DIVISION	WELL API NO.
P.O Box 1980, Hobbs, NM 88240	2040 Pacheco		30-025-06872
DIS [RICT II P.O. Drawer DD; Artesia, NM 88210	Santa Fe, 8	37505	5. Indicate Type of Lease
DIS RICT III 1000 Rio Brazos Rd., Aztec, NM 87410			STATE FEE X 6. State Oil & Gas Lease No.
100 Rio Brizos Ra., Aziec, NM 8/410			G. State Oil & Gas Lease No.
	CES AND REPORTS ON WEL		
	PPOSALS TO DRILL OR TO DEEPEN IVOIR. U:5E "APPLICATION FOR PEI 101) FOR SUCH PROPOSALS.)		7. Lease Name or Unit Agreement Name
1. Type of Well: CIL GAS VELL X WELL			E. O. Carson
2. Name of Operator	OTHER		8. Well No.
<u> </u>	C		18
3. Address of Operator			9. Pool name or Wildcat
500 W. Texas, Suite 50	00. Midland. Texas 797	0.1	Paddock
	Feet From The South	Line and 760	Feet From The West Line
c	#±t- 21C = P	277	
	Township 21S Ra	nge 37E 1 DF, RKB, RT, GR, etc.)	NMPM Lea County
	3462' GR		
II. Check A	Appropriate Box to Indicate N	Nature of Notice, Re	eport, or Other Data
NOTICE OF INT	ENTION TO:	SUB	SEQUENT REPORT OF:
ERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
EMP CRARILY ABANDON	CHANGE PLANS	COMMENCE DRILLING	OPNS. PLUG AND ABANDONMENT
ULL OR ALTER CASING	_	CASING TEST AND CE	MENT JOB
THER:		OTHER Additional	Pay in L. Paddock & Acidize K
12. D. scribe Proposed or Completed Operation with SEE RULE 1103.	ons (Cleariy state all pertinent details, an	d give pertinent dates, includ	ing estimated date of starting any proposed
4-18-97 MIRU pulling uni	t. POOH with rods, pu	mp and tubing.	RIH with bit and clean-out
bailer. Tagged	fill at 5289'. (Perfs	: 5285'-5295') R	IH with fishing tool. Caught
4-19-97 RIH with bit and	l' 2 3/8" tubing. (old d clean-out bailer. Cl	Junk in noie) eaned out to PRT	D 5390'. POOH. RIH with packer
and tubing. Set	packer at 5173'.	canca out to Ibi	b 3330 . 10011. Kill Wiell packet
4-20-97 Hot oiled tubing	g and swabbed back load	oil.	
4-22-97 Acidized perfs	5285' to 5295' with 150	0 gals 15% NEFe	HCl. Swabbed back load water.
4-23-97 POOH with tubing	and packer. Ran GR-C	NL-CCL.	11 51501 to 51501 (7 abota).
5171' to 5181' (11 shots) • 5190' to 52	0.01 (11 shots).	llows: 5150' to 5156' (7 shots); 5223' to 5233' (11 shots). RIH
with retrievable	bridge plug and packe	r. Set bridge n	olug at 5260', set packer at
5049'. Acidized	l perfs 5150' to 5233' (with 3000 gals 1	5% NEFe HCl. RU swab and
swabbed back loa	nd water.		d bridge plug and POOH. RIH wit
I here y certify that the information above is true			d bridge prid and room. Kin with
//m /x / X /	Prod	uction Operation	s Manager 6/11/97
SIGNATURE PROJECT FLOORING		æ	(915)498-8663
TYPE OR PRINT NAME Bruce Woodar	a		(913/490-0003 TELEPHKNE NO.
(This space for State (Her) IGINAL SIGNED			
DISTRICT 13	SUPERV SOR	_	9727 tet

- TITLE ---

tubing for production.
RIH with pump and rods and put on production.

Rate/Time Graph

State, County: Lease Name: Location:

E. O. CARSON NO. 18 (020001)

NM, LEA

28/21S/37E

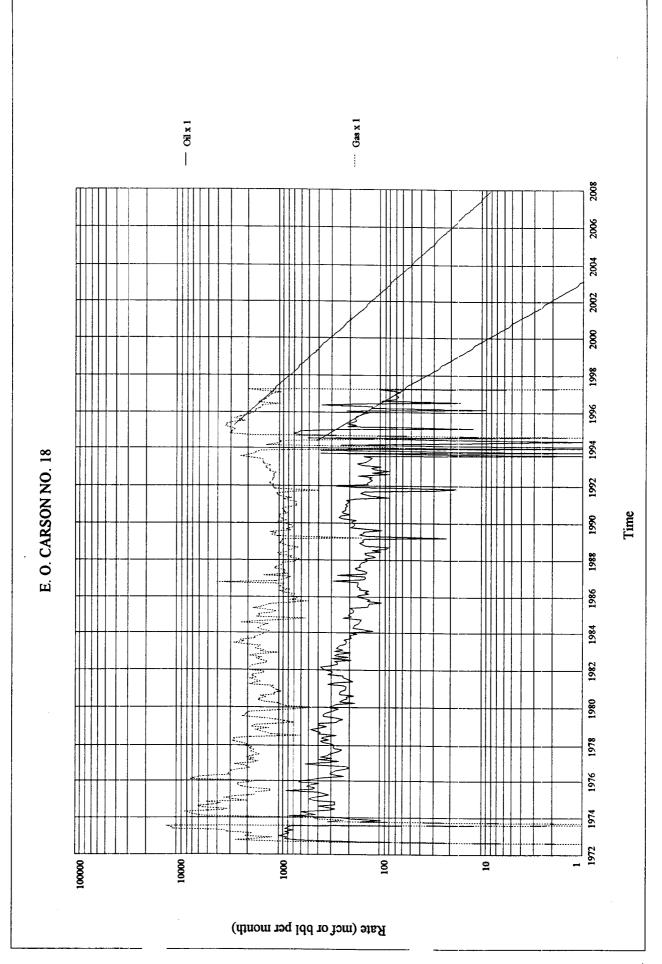
Field Name: Operator:

PADDOCK

TITAN RESOURCES I, INC.

8/14/1997 1:55 PM

Date: Time:



TITAN RESOURCES I, INC.

PRODUCTION PROJECTION

Lease: E. O. Carson Well No. 18

Pool: 49210 Paddock

D-4-	O'1 791 1	0 140
<u>Date</u>	Oil, Bbls	Gas, Mcf
May-97	54	1,038
Jun-97	51	999
Jul-97	48	962
Aug-97	46	926
Sep-97	43	891
Oct-97	41	857 825
Nov-97	38	825
Dec-97	36	794
Jan-98	34	764
Feb-98	32	735
Mar-98	30	708
Apr-98	29	681
May-98	27	656
Jun-98	25	631
Jul-98	24	607
Aug-98	23	584
Sep-98	21	562
Oct-98	20	541
Nov-98	19	521
Dec-98	18	501
Jan-99	17	482
Feb-99	16	464
Mar-99	15	447
Apr-99	14	430
May-99	13	414
Jun-99	13	398
Jul-99	12	383
Aug-99	11	369
Sep-99	11	355
Oct-99	10	342
Nov-99	9	329
Dec-99	9	316
Jan-00	8	305
Feb-00	8	293
Mar-00	7	282
Apr-00	7	271
May-00	7	261
Jun-00	6	251
Jul-00	6	242
Aug-00	6	233
Sep-00	5	224
Oct-00	5	216
Nov-00	5	208
Dec-00	4	200
Jan-01	4	192

TITAN RESOURCES I, INC.

PRODUCTION PROJECTION

Lease: E. O. Carson Well No. 18 Pool: 49210 Paddock

<u>Date</u>	Oil, Bbls	Gas, Mcf
Feb-01	4	185
Mar-01	4	178
Apr-01	4	171
May-01	3	165
Jun-01	3 3 3 3 2 2 2	159
Jul-01	3	153
Aug-01	3	147
Sep-01	3	141
Oct-01	2	136
Nov-01	2	131
Dec-01	2	126
Jan-02	2	121
Feb-02	2	117
Mar-02	2	112
Apr-02	2	108
May-02	2	103
Jun-02	2 2 2 2 2 2	104
Jul-02	l l	96
Aug-02	1	93
Sep-02	1	89
Oct-02	i	86
Nov-02	1	83
Dec-02	1	
Dec-02	1	80
Jan-03	1	77
Feb-03	1	74
Mar-03	1	71
Apr-03	1	68
May-03	1	66
Jun-03	1	63
Jul-03	1	61
Aug-03	1	59
Sep-03	1	56
Oct-03	1	54
Nov-03	1	52
Dec-03	1	50
Jan-04	1	48
Feb-04	Ō	47
Mar-04	Ŏ	45
Apr-04	ŏ	43
May-04	ő	41
Jun-04	ŏ	40
Jul-04	0	38
Aug-04	0	37
Sep-04	0	36
Oct-04	0	34
Nov-04	0	
1107-04	U	33

TITAN RESOURCES I, INC.

PRODUCTION PROJECTION

Lease: E. O. Carson Well No. 18 Pool: 49210 Paddock

<u>Date</u>	Oil, Bbls	Gas, Mcf
Dec-04	0	32
Jan-05	0	31
Feb-05	0	
Mar-05	0	29
		28
Apr-05	0	27
May-05	0	26
Jun-05	0	25
Jul-05	0	24
Aug-05	0	23
Sep-05	0	22
Oct-05	0	22
Nov-05	0	21
Dec-05	0	20
Jan-06	0	19
Feb-06	0	19
Mar-06	0	18
Apr-06	0	17
May-06	0	17
Jun-06	0	16
Jul-06	ŏ	15
Aug-06	ő	15
Sep-06	0	14
Oct-06	ŏ	14
Nov-06	ő	13
Dec-06	ő	13
Jan-07	0	12
Feb-07	0	12
Mar-07	0	11
Apr-07	0	11

Date: //12/199/ 11me: 12:04 PM

Input Listing

Dwights Id:

10250687249210

Lease Name:

E O CARSON NO. 18

Lease Number:

020001

Field Name:

PADDOCK

Operator:

TITAN RESOURCES I, INC.

State, County:

NM, LEA

Reservoir:

PADDOCK

Lease Status: Lease Type:

ACTIVE

OIL

Reserve Type:

First Prod Date: API Number:

9/1/72

Location: **Quarter Quarter:** 30-025-06872 28/21S/37E SW/SW

Offshore Block:

User Data 1: User Data 2: User Data 3: User Data 4: User Data 5: User Data 6:

Project Parameters

Economic Effective Date: 05/1997

Escalate Economics: Yes

Well Counts:

Well Count

Start Date

05/1997

Division of Interest:

Gas:

100.000000

NRI 87.500000

Dollars/Month:

Burden 0.000000 ORI 0.000000

Reversion Type None

Reversion Value None

Reversion Date None

Prices:

Price Oil: 18.00

BTU Content 1.85 1.0000

Price Adjustment 0.0000 0.0000

Name None None

Percent

of Revenue

2.0000

Escalation

Expenses:

Escalation Name

None

Dollars/Well/Month: 1500.00 None Dollars/BBL Oil: 0.00 None Dollars/MCF Gas: 0.00 None Dollars/BBL Wtr: 0.00 None

Amount

0.00

Severance Tax Ad Valorem Tax

Taxes:

Oil: 7.0900 Gas: 7.5400 Oil: 2.0000

0.0000 / BBL 0.0000 / MCF

Dollars

per Unit

0.0000 / BBL

0.0000 / MCF

Investments:

Initial:

Amount 0.00

Type Gross Salvage 0.00

Gas:

Forecasts:

Curve Type Date Rate Decline N Factor Oil Exponential Segment 01 06/1994 - 04/1997 429 50.2745 0.000000 Gas Segment 01 Exponential 04/1995 - 04/1997 2,760 36.8721 0.000000 Water Segment 01 Exponential 09/1972 - 01/1997 598 6.6281 0.000000

CONDITIONS OF APPROVAL, IF ANY:

State of New Mexico

Form C-103

te Appropriate District Office	Energy, Muserals and Natural R	lesources Department	Revised 1-I-89
D STRICT I	OIL CONSERVATION	ON DIVISION	WELL API NO.
P. D. Box 1980, Hobbs, NM 88240	2040 Pacheco		30-025-06872
D STRICT II P. D. Drawer DD, Artesia, NM 88210		37505	5. Indicate Type of Lease
D'STRICT III 1000 Rio Brazos Rd., Aziec, NM 87410			STATE FEE X 6. State Oil & Gas Lease No.
		······································	
(DO NOT USE THIS FORM FOR PR DIFFERENT RESE	ICES AND REPORTS ON WE OPOSALS TO DRILL OR TO DEEPEN RVOIR. USE "APPLICATION FOR PE :-101) FOR SUCH PROPOSALS.)	OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
1. Type of Well:	<u> </u>		E. O. Carson
WELL X WELL 2. Name of Operator	OTHER	· · · · · · · · · · · · · · · · · · ·	8. Well Na
Titan Resources I, In	C.		18
3. Address of Operator			9. Pool name or Wildcat
500 W. Texas, Suite 5 4. Well Location	00, Midland, Texas 797	01	Paddock
1	Feet From The South	Line and760	Fee: From The West Line
Section 28	Township 21S R:	inge 37E	ND COLUMN T
	10. Elevation (Show whether	DF, RKB, RT, GR, etc.)	NMPM Lea County
W. W. W. Charle	3462' GR	Manus aCNIssis D	
NOTICE OF INT	Appropriate Box to Indicate I		SEQUENT REPORT OF:
PEFFORM REMEDIAL WORK	PLIJG AND ABANDON	REMEDIAL WORK	X ALTERING CASING X
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLING	
PUL_OR ALTER CASING []		CASING TEST AND CE	
OTHER:		OTHER: Add Pay	in U. Paddock & Acidize X
 Describe Proposed or Completed Opera- work) SEE RULE 1103. 	tions (Clearly state all pertinent details, as	nd give pertinent dates, inclu	ling estimated date of starting any proposed
(27 holes). RIH at 5125' and set	 Perforated Upper Pade with retrievable bridge packer at 4975. Acid 	dock pay with 1 e plug and packe ized perforation	shot/ft from 5073' - 5099' r on tubing. Set bridge plug s 5073' - 5099' with 1500 gals g and POOH. RIH with 2 3/8"
tubing for produc	ction. oed back load water.	ieved bilage più	g and FOM. Kin with 2 3/6
6-8-97 RIH with pump and	d rods and put on produ	ction.	
I he reby certify that the information above in take	2	h. 11 - #	
SIG LATURE	P	roduction Operat	3
TYPEORPRINT NAME Bruce Woodan	πr rd	<i></i>	(915)498-8663
THEOREMAN DE COORDINATION	- 0.		TELEPHONE NO.
(This space for State Use) DERGINAL CAUSE. TO SET RADIO 19	1926 - 1942 - K		· .
APP ROYED BY	· · · · · · · · · · · · · · · · · · ·	LE	DATE

Submit 3 Copies to Appropriate District Office

State of New Mexico Energy, Manarals and Natural Resources Department

Form C-103 Revised 1-1-89

D STRICT I P. D. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

WELL API NO.

- DATE ---

•	10002, 11111 00210	2040 Pach		-	30-025-0	6872	:
D STRICT II P. D. Drawer DD,	Artesia, NM 88210	Santa Fe,	8750.	5	5. Indicate Type		
D'STRICT III 1000 Rio Brazos F	Rd., Azzec, NM 87410				6. State Oil & Ga	STATE	FEE X
		ES AND REPORTS OF					
(DO NOT USE	DIFFERENT RESERV	OSALS TO DRILL OR TO DI OOR. USE "APPLICATION F	OR PERMIT	LUG BACK TO A	7. Lease Name of	Unit Agreement Name	
1. Type of Well:		01) FOR SUCH PROPOSALS	D.)		E. O. Car	rson	
OIL X	GAS WELL	OTHER					-
2. Name of Open	ator				8. Well No.		
Titan Re	esources I. Inc.				9. Pool pame or 1	Vildeat	
_), Midland, Texas	79701		Paddock	W HOLE	
4. Well Location	•						
Unit Lett	ter <u>M</u> : 660	_ Feet From The _ South	1	Line and760	Fee: From	The West	Line
Section	28	Township 21S	Range		умрм Lea		County
		10. Elevation (Show v	vhether DF, R E 'GR	KB, RT, GR, etc.)			
11.	Check Ar	opropriate Box to Indi		re of Notice, Re	port, or Other	- Data	
	NOTICE OF INTE				_	REPORT OF:	
PEFFORM REMEI	DIAL WORK	PLIJG AND ABANDON	RE	MEDIAL WORK	K]	ALTERING CASING	K
TEN PORARILY A	BANDON	CHANGE PLANS	CO	MMENCE DRILLING	OPNS	PLUG AND ABANDO	_
PULLOR ALTER (CASING			SING TEST AND CE			
OTHER:						Paddock & Aci	dize K
12. Describe Propor	sed or Completed Operation	ns (Clearly state all pertinent de	sails, and give	pertinent dates, includ	ing estimated date of	f starting any proposed	
		t. POOH with rods	. rollmro	and tubing	DIII esith hi	+	4.
ba	ailer. Tagged f	fill at 5289'. (F	erfs: 52	ma cubing. 285'-5295') F	RIH WITH DI	t and clean-o hing tool. C	ut aught
ar	nd retrieved 31	' 2 3/8" tubing. (old junl	k in hole)		-	-
4-19-97 R	IH with bit and	clean-out bailer.	Cleane	ed out to PBT	Ɗ 5390'. P	OOH. RIH with	packer
		packer at 5173'. and swabbed back	load oi	1			
		285' to 5295' with			HCl Swabb	ed back load :	water
		and packer. Ran			mer. Swabe	ca back roda	water.
4-24-97 P€	erforated additi	ional Paddock pay 11 shots); 5190' t	with 1 s	shot/ft as fo	11ows: 5150	' to 5156' (7	shots);
wi	ith retrievable	bridge plug and p	acker.	Set bridge r	slug at 5260	', set backer	at
50	049'. Acidized	perfs 5150' to 52	33' with	1 3000 gals 1	5% NEFe HCl	. RU swab an	d
	wabbed back load wabbed back load		l pagleon	and rothicus	d bridge ol	TOOM See and	DTII
	-//	youngkte to the best of my knowle		and retrieve	a priade br	ug and POOH.	VIU MICH
///	h NXX	,	Producti	ion Operation	s Manager	6/11/97	
SIG VATURE	Drawer Manda		TITLE			915)498-8663	
TYPE OR PRINT NAME	Bruce waarard]			1	2131420-0003	
	Bruce Woodard	1			\	TELEPIKNE NO.	

– mre –

tubing for production.
4-26-97 RIH with pump and rods and put on production.

Submit 3 Copies to Appropriate District Office

State of New Mexico F Minerals and Natural Resources Department

Form C-103 Revised 1-1-89

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

OIL CONSERVATION DIVISION 2040 Pacheco St.

WELL API NO. 30-025-06872

DISTRICT II	
DO Dames DD	۸.

P.O. Drawer DD, Artesia, NM 88210 Santa Fe, 87303	5. Indicate Type of Lease STATE FEE X
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410	6. State Oil & Gas Lease No.
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLI DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	UG BACK TO A 7. Lease Name or Unit Agreement Name
1. Type of Well: OIL GAS WELL WELL OTHER	E. O. Carson
2 Name of Operator Titan Resources I, Inc.	8. Well No. 18
3. Address of Operator 500 W. Texas, Suite 500, Midland, Texas 79701 4. Well Location	9. Pool name or Wildcat Paddock
Unit Letter M: 660 Feet From The South	Line and 760 Feet From The West Line
Section 28 Township 21 S Range 3	7 E NMPM Lea County
10. Elevation (Show whether Dr., RRE	, R1, GR, etc.)
11. Check Appropriate Box to Indicate Nature	of Notice, Report, or Other Data
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK Y PLUG AND ABANDON REME	EDIAL WORK ALTERING CASING
TEMPORARILY ABANDON CHANGE PLANS COMI	MENCE DRILLING OPNS. PLUG AND ABANDONMENT
PULL OR ALTER CASING X CASI	NG TEST AND CEMENT JOB
OTHER: Perforated Upper Paddock & Acidize OTHE	R:
 Describe Proposed or Completed Operations /Clearly state all pertinent details, and give powork) SEE RULE 1103. Perfs: 5150' to 5295' MIRU pulling unit. POOH with rods, pump and 2. RIH with retrievable bridge plug. Set at 513 3. Perforate Upper Paddock from 5073' to 5099' (4. Run tubing and packer and acidize with 2,000 5. Swab back and clean well up. 	tubing. O'. 27 holes).

(This space for State Use)			MAY 2 9 1997
TYPE OR PRINT NAME Bruce	Woodard		(915)682-6612 TELEPHONE NO.
I hereby certify that the information SIGNATURE	phoove is true and complete to the best of my	knowledge and belief. Production Opera mue	ations Manager 5/16/97

CONDITIONS OF APPROVAL, IF ANY: