

DATE IN 3/12/03	SUSPENSE NA	ENGINEER WVS	LOGGED IN KW	TYPE DHC	APP NO PKRY0307148864
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

RECEIVED

MAR 12 2003

Oil Conservation Division

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or x ☐ Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Barbara Watson

Print or Type Name

Barbara Watson
 Signature

Regulatory Compliance

Title

3-11-02

Date

bwatson@permanresourcesinc.com
 e-mail Address

PERMIAN RESOURCES, INC.

March 11, 2003

New Mexico Energy, Minerals
and Natural Resources Dept.
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attention: Mr. David Catanach
Engineering

RE: Townstar ACS State #1
30-025-35867
Unit L, 1650' FSL & 990' FWL
Sec. 18, T15S, R35E
Lea County, New Mexico

Dear Mr. Catanach:

Permian Resources, Inc. respectfully requests administration approval for an exception to Rule 303A to permit downhole commingling of Townstar ACS State #1 in the Tulk, Upper Wolfcamp, South and WC (Cisco) zones. The Townstar ACS State #1 is currently producing in the Tulk, Upper Wolfcamp, South perforations from 9,656- 9,692', and the WC (Cisco) perforations from 10,736-10,765'. The WC (Cisco) after acidizing, swab tested at a rate of 10.2 bbls fluid per hour (245 bbls fluid per day) with 20-25% oil cut or 20-49 bbls oil per day. A retrievable bridge plug was set at 10,680' above the Cisco. The Wolfcamp Abo was perforated and acidized, and swabbed dry in 2 runs recovered approximately 5 gals oil and 46 gals water, making one run every 30 minutes.

Permian Resources, Inc. equipped the well to pump open hole with both zones commingled. Based on individual swab test, 90% production is allocated to the WC (Cisco). A review of the logs available on all wells with one and a half mile radius does not show any prior commingling production from any stratigraphic equivalent of Cisco perforations in the Townstar ACS State #1. Permian Resources, Inc. requests the WC (Cisco) be placed on 80 acre spacing due to the depth and limited thickness of zone.

Permian Resources, Inc. believes that both zones are compatible without any damage to the zones. Commingling would not jeopardize the efficiency of any present or future secondary recovery, and would not result in loss to reserves due to cross-flow in the wellbore. The allocated production from each producing zone shall not exceed the top oil or gas allowable for a well in either pool, and will not reduce the value of the remaining production. Correlative rights have not been violated. Royalty, Override and Working interest are identical in both zones.

P. O. BOX 590 • MIDLAND, TEXAS 79702-0590
PHONE: (915) 685-0113 • FAX: (915) 685-3621

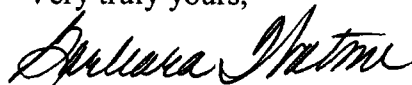
Permian Resources, Inc.
Townstar ACS State Well No. 1

Please find enclosed the following attachments:

C-102 for both zones, Tulk, Upper Wolfcamp South and WC (Cisco)
Wellbore Diagram
List of offset operators and Map
C-107A Application for Downhole Commingle
C-105 Well Completion Report
C-104 Request for Allowable

If you should have any questions concerning this request for downhole commingling, please contact me.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Barbara Watson', written in a cursive style.

Barbara Watson
Regulatory Compliance

District I
1625 N. French Drive, Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised May 15, 2000

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION TYPE
X Single Well
____ Establish Pre-Approved Pools
EXISTING WELLBORE
X Yes ____ No

APPLICATION FOR DOWNHOLE COMMINGLING

Permian Resources, Inc.

Operator	Address		
Townstar ACS State	I	L, 18, T15S, R35E	Lea
Lease	Well No.	Unit Letter-Section-Township-Range	County
OGRID No. 25797	Property Code 29614	API No. 30-025-35867	Lease Type: ____ Federal ____ State _X_ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Tulk, Upper Wolfcamp South		WC (Cisco)
Pool Code	56295		
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	9656-9692'		10,736-10,765'
Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	39.3		NA
Producing, Shut-In or New Zone	Producing		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 11-30-02 Rates: 28 BO, 170 BW	Date: Rates:	Date: 11-28-02 Rates: Swabbed 5 gals Oil 42 gals water in 2 runs
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 99% Gas 100%	Oil % Gas %	Oil 1% Gas 0%

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes X No ____
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ____ No ____

Are all produced fluids from all commingled zones compatible with each other? Yes X No ____

Will commingling decrease the value of production? Yes ____ No X

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes ____ No ____

NMOCD Reference Case No. applicable to this well: _____

Attachments:
C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
Production curve for each zone for at least one year. (If not available, attach explanation.)
For zones with no production history, estimated production rates and supporting data.
Data to support allocation method or formula.
Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:
List of other orders approving downhole commingling within the proposed Pre-Approved Pools
List of all operators within the proposed Pre-Approved Pools
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE Barbara Watson TITLE Regulatory Compliance DATE 3-11-03
TYPE OR PRINT NAME Barbara Watson TELEPHONE NO. (915) 685-0113

District I
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District IV
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-35867		² Pool Code 56295		³ Pool Name Tulk, Upper Wolfcamp South	
⁴ Property Code 29614		⁵ Property Name Townstar ACS State			⁶ Well Number 1
⁷ OGRID No. 25797		⁸ Operator Name Permian Resources, Inc.			⁹ Elevation 4041' GR

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	18	15S	35E		1650	South	990	West	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	18	15S	35E		1650	South	990	West	Lea

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

¹⁸ 					¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Barbara Watson Printed Name Regulatory Compliance Title 3-11-03 Date
					¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

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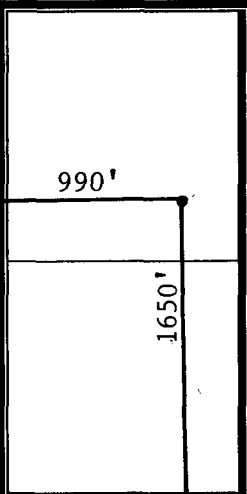
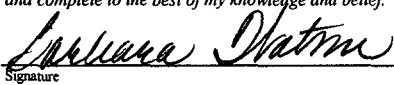
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-35867		² Pool Code		³ Pool Name WC (Cisco)	
⁴ Property Code 29614		⁵ Property Name Townstar ACS State			⁶ Well Number 1
⁷ OGRID No. 25797		⁸ Operator Name Permian Resources, Inc.			⁹ Elevation 4041' GR

¹⁰ Surface Location									
UL or lot no. L	Section 18	Township 15S	Range 35E	Lot Idn	Feet from the 1650	North/South line South	Feet from the 990	East/West line West	County Lea

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. L	Section 18	Township 15S	Range 35E	Lot Idn	Feet from the 1650	North/South line South	Feet from the 990	East/West line West	County Lea
¹² Dedicated Acres 80		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

¹⁸ 					¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Barbara Watson Printed Name Regulatory Compliance Title 3-11-03 Date
					¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

TOWNSTAR ACS STATE # 1

SURFACE CASING 13-3/8"
DEPTH 406
SACKS 200
WEIGHT/GRADE 48#, H40
TOP CEMENT CIRC

INTER CASING 9-5/8"
DEPTH 5750
SACKS 390

WEIGHT/GRADE 40/30#, J55
TOP CEMENT CIRC

TOP CEMENT 5250'CALC

TAC 10479'

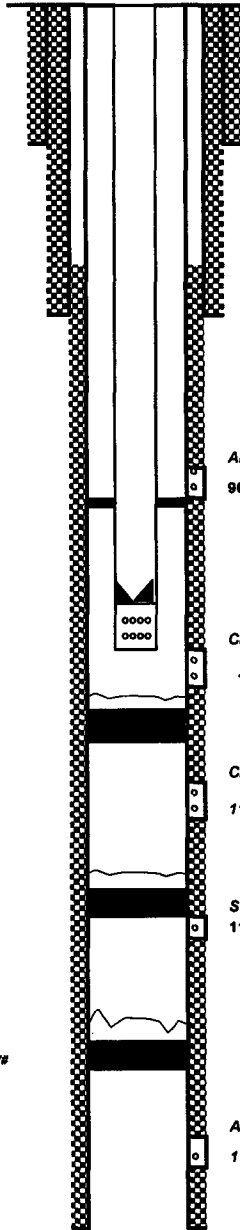
SN 10675'

END OF TBG 10711

PROD CASING 5-1/2"

DEPTH 13200
SACKS 2080

WEIGHT/GRADE P110/L80-20/17#



TD 13200

2/5/03

LEASE NAME:	TOWNSTAR ACS STATE	WELL #	1
LOCATION:	1650' FSL, 990' FWL("L"), SEC 18, T15S, R35E		
COUNTY, STATE:	LEA, NM	NMOCD #	E-7984
TD	13200	KB	API # 30-025-35867
PBTD	GL	4041	DATE
CURRENT PROD ZONE:	ABO/CISCO	PERFS:	10736-65, 9656-92'

LUFKIN 640 PUMPING UNIT, M640B-305-168, GEAR RATIO 28.6

CASING AND TUBING DESIGN

	HOLE	SIZE	DEPTH	GRADE/WT	SACKS	TOP CEMENT
SURF	17-1/2"	13-3/8"	406	48#, H40	200	CIRC
INTER	12-1/4"	9-5/8"	5750	40/30#, J55	390	CIRC
PROD	8-3/4"	5-1/2"	13200	P110/L80-20/17#	2080	5250'CALC

TUBING SIZE	2-7/8"	JOINTS	328	GRADE	L80
SN/PMP DEPTH	10675'	TA	10479'	PACKER	NONE

6/14/02 ATOKA PERFS 11979-11995, ACID 1500 7-1/2", PLUS BALLS, 6800 PSI, ISDP 5900, 15" 5380 PSI, SWB 2 DAYS, SL SHOW OIL AND GAS, CIBP 11950' W/35' CEMENT

6/19/02 STRAWN PERFS 10818-10830, ACID 800, TEST TIGHT, ACID 2000 20%, 3.5 BPM, 5700 PSI, 15" SIP 4320, SWAB RECD 1% OIL, WATER, SLIGHT GAS, CIBP 11780 W/35' CMT.

6/25/02 CANYON PERFS: 11191-11200, 11204-11208, PUT AWAY SPOT, VACUUM IN 7", SWB FFL 4800', REC WATER, CIBP 11150' WITH 35' CEMENT.

6/27/02 CISCO PERFS 10736-47, 10750-10758, 10759-10785, SPOT AND PUT AWAY 5 BBLS 20%, ISDP 5100, 15" 3370 PSI, BLED DOWN, 4TH SWAB REC 10% OIL, 15 BW, BLOW GAS, WATER=98, 127 PPM, ACID 2500 20%, BREAK 6200, AIR 3, ISDP 5750, 15" 5020. SET RBP 10680'

7/9/02 ABO PERFS: 9656-9692', BREAKDOWN AT 3382#, PUMP SPOT ISDP 3350, 15" 2684, SWB WATER WITH SHOW OIL UP TO 10%, ACID 2500 20%, ISDP 2812, 15" 2736 WATER, 10% OIL CUT, SLT SHOW GAS, CHLORIDE=98903, REL RBP AT 10680', NO REPORT FROM 7/27/02 TO PRI TAKES OVER WELL.

11/07/02 PRI TOOK BEGINS OPERATIONS, POOH w/ 280 JTS OF 2-7/8" 6.5#, L80 TBG, ADD BPMA, PS, SN, 6 JTS TBG, 32 JTS TBG OFF GROUND & 290 JTS IN DERRICK. SWABBING 100% WATER, EFL AT 2400' FS, RIH WITH PUMPING ASSEMBLY. SET 640 BPU. INSTALL ELECTRICAL SYSTEM & POP 6.4 SPM X 148" SL X 1.5" PMP.

RODS:

2-1/2" X 1-1/2" X 34' RHBC, SCB, DV, 6' PLUNG/ 6 FT
2- 5/16 X 4' CENTRALIZED FLEX BAR w/ 7/8" pin
1-1/2" X 25' Kbar w/ 3/4" pin + 26K shear tool
9- 1-1/2" X 25' Kbars w/ 3/4" pin,
73- 1" Norris 97 Steel Rods
173- 1.25" Fiberflex Used FG rods
53- 1.25" Fibercom New FG rods
27'- 1.25" Fibercom pony rods (8' & 19')
EOT @ 10711', SN @10675', TAC @ 10475'

TUBING

1 2-7/8" MA (32.62'-L80)
1- 2-7/8" PS (4.08'-J55)
1-2-7/8" SN (1.10')
6- 2-7/8" Tubing (L-80, 195.64')
1-5-1/2" X 2-7/8" TAC (2.70')
321 Jts 2-7/8" L-80 Tubing (10458.97')

11/16/02 PLACE WELL ON PUMP; 0 BO, 175 BW, 16 HRS
12/23/02 42 BO, 160 BW, 24 HRS

Permian Resources, Inc
Townstar "ACS" State No. 1
 1650' FSL & 990' FWL (Unit L)
 Section 18, T15S, R35E
 Lea County, NM

<u>Date</u>	<u>BO</u>	<u>BW</u>	<u>BF</u>	<u>Oil Cut %</u>	<u>Comments</u>
16-Nov-02	0.00	175	175.00	0.00%	16 hr. test
17-Nov-02	5.53	207	212.53	3.00%	Slight blow on csg.
18-Nov-02	13.38	200	213.38	6.00%	CP 20# FL @1271'FS, 6.4 SPM
19-Nov-02	5.53	245	250.53	2.00%	
20-Nov-02	13.83	223	236.83	6.00%	
21-Nov-02	33.18	185	218.18	15.00%	
22-Nov-02	27.64	183	210.64	13.00%	
23-Nov-02	27.58	175	202.58	14.00%	
24-Nov-02	27.58	168	195.58	14.00%	
25-Nov-02	27.58	165	192.58	14.00%	CP 30# FL @1705'FS, 6.4 SPM
26-Nov-02	27.58	170	197.58	14.00%	
27-Nov-02	27.58	170	197.58	14.00%	
28-Nov-02	27.58	172	199.58	14.00%	
29-Nov-02	27.58	171	198.58	14.00%	
30-Nov-02	22.06	169	191.06	12.00%	
01-Dec-02	22.06	175	197.06	11.00%	
02-Dec-02	27.65	168	195.65	14.00%	
03-Dec-02	27.65	189	216.65	13.00%	
04-Dec-02	26.06	186	212.06	12.00%	
05-Dec-02	27.57	174	201.57	14.00%	Balanced unit, Inc SPM to 8.4
06-Dec-02	66.19	202	268.19	25.00%	
07-Dec-02	8.27	196	204.27	4.00%	
08-Dec-02	110.31	200	310.31	36.00%	
09-Dec-02	150.31	196	346.31	43.00%	
10-Dec-02	50.34	194	244.34	21.00%	
11-Dec-02	49.53	186	235.53	21.00%	
12-Dec-02	50.17	164	214.17	23.00%	
13-Dec-02	47.39	186	233.39	20.00%	
14-Dec-02	39.02	178	217.02	18.00%	
15-Dec-02	50.28	162	212.28	24.00%	
16-Dec-02	47.39	160	207.39	23.00%	
17-Dec-02	47.38	174	221.38	21.00%	
18-Dec-02	47.55	165	212.55	22.00%	
19-Dec-02	38.96	166	204.96	19.00%	
20-Dec-02	41.81	160	201.81	21.00%	
21-Dec-02	41.82	158	199.82	21.00%	
22-Dec-02	41.81	155	196.81	21.00%	
23-Dec-02	30.64	156	186.64	16.00%	
24-Dec-02	41.81	156	197.81	21.00%	
25-Dec-02	38.00	150	188.00	20.00%	

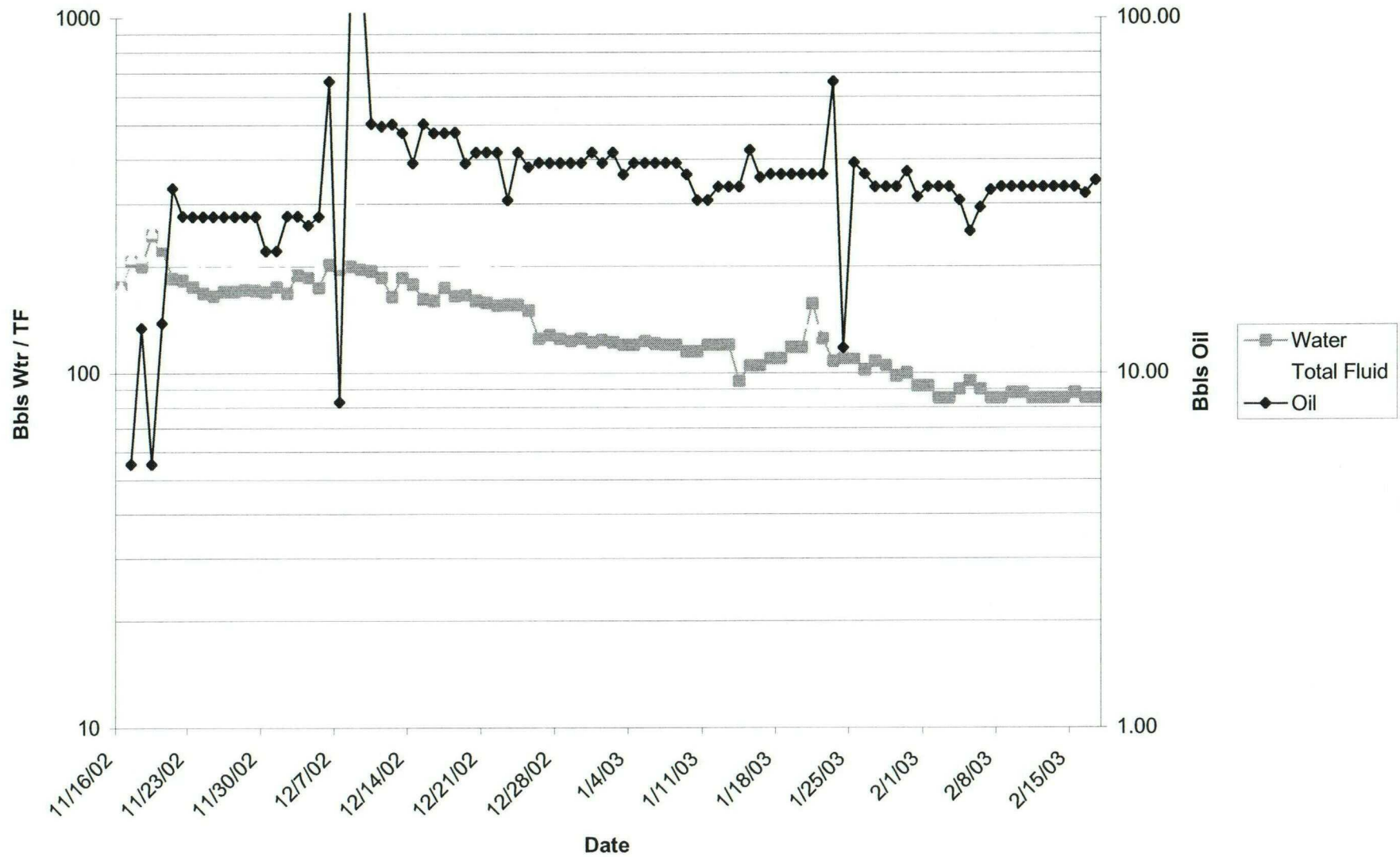
Permian Resources, Inc
Townstar "ACS" State No. 1
 1650' FSL & 990' FWL (Unit L)
 Section 18, T15S, R35E
 Lea County, NM

<u>Date</u>	<u>BO</u>	<u>BW</u>	<u>BF</u>	<u>Oil Cut %</u>	<u>Comments</u>
26-Dec-02	39.11	125	164.11	24.00%	
27-Dec-02	39.05	128	167.05	23.00%	
28-Dec-02	39.02	125	164.02	24.00%	
29-Dec-02	39.02	123	162.02	24.00%	
30-Dec-02	39.03	125	164.03	24.00%	
31-Dec-02	41.81	122	163.81	26.00%	
01-Jan-03	39.02	124	163.02	24.00%	
02-Jan-03	41.81	122	163.81	26.00%	
03-Jan-03	36.23	120	156.23	23.00%	
04-Jan-03	39.03	120	159.03	25.00%	
05-Jan-03	39.02	123	162.02	24.00%	
06-Jan-03	39.02	121	160.02	24.00%	
07-Jan-03	39.03	120	159.03	25.00%	
08-Jan-03	39.02	120	159.02	25.00%	
09-Jan-03	36.24	115	151.24	24.00%	
10-Jan-03	30.68	115	146.27	21.00%	
11-Jan-03	30.66	120	154.27	20.00%	
12-Jan-03	33.45	120	154.27	22.00%	
13-Jan-03	33.45	120	193.27	17.00%	
14-Jan-03	33.45	95	161.27	21.00%	
15-Jan-03	42.38	105	174.08	24.00%	
16-Jan-03	35.58	105	121.77	29.00%	
17-Jan-03	36.27	110	149.06	24.00%	
18-Jan-03	36.27	110	138.35	26.00%	
19-Jan-03	36.27	118	141.45	26.00%	
20-Jan-03	36.27	118	138.45	26.00%	Pole fuse down
21-Jan-03	36.27	157	131.44	28.00%	
22-Jan-03	36.27	125	136.94	26.00%	
23-Jan-03	66.08	108	123.36	54.00%	
24-Jan-03	11.77	110	125.45	9.00%	
25-Jan-03	39.06	110	118.45	33.00%	
26-Jan-03	36.35	102	118.45	31.00%	
27-Jan-03	33.45	108	120.66	28.00%	
28-Jan-03	33.45	105	120.08	28.00%	
29-Jan-03	33.44	98	119.27	28.00%	
30-Jan-03	36.94	100	117.75	31.00%	
31-Jan-03	31.36	92	118.45	26.00%	
01-Feb-03	33.45	92	121.45	28.00%	
02-Feb-03	33.45	85	118.45	28.00%	
03-Feb-03	33.45	85	118.45	28.00%	

Permian Resources, Inc
Townstar "ACS" State No. 1
 1650' FSL & 990' FWL (Unit L)
 Section 18, T15S, R35E
 Lea County, NM

<u>Date</u>	<u>BO</u>	<u>BW</u>	<u>BF</u>	<u>Oil Cut %</u>	<u>Comments</u>
04-Feb-03	30.66	90	120.66	25.00%	
05-Feb-03	25.08	95	120.08	21.00%	
06-Feb-03	29.27	90	119.27	25.00%	
07-Feb-03	32.75	85	117.75	28.00%	
08-Feb-03	33.45	85	118.45	28.00%	
09-Feb-03	33.45	88	121.45	28.00%	
10-Feb-03	33.44	88	121.44	28.00%	
11-Feb-03	33.45	85	118.45	28.00%	
12-Feb-03	33.45	85	118.45	28.00%	
13-Feb-03	33.45	85	118.45	28.00%	
14-Feb-03	33.45	85	118.45	28.00%	
15-Feb-03	33.45	88	121.45	28.00%	
16-Feb-03	32.05	85	117.05	27.00%	
17-Feb-03	34.84	85	119.84	29.00%	Well pumping off, 10 hr/day RT, Venting 40-50 MCFPD

Townstar # 1 Daily Production



[illegible]

Townstar ACS State Well No. 1 Offset Operators by API Number



Townstar ACS State Well No. 1 Offset Operators by API Number

API#	Company	Lease Name	Well#	County	Field	Depth	First Prod	Prac IP BO/D	Prac IP MCF/D	Cum Prod BO	Cum Prod MCF	Last Month BO
30-025-01878			001	LEA		0						0.00
30-025-35369	DAVID H ARRINGTON OIL & GAS INC	BILL'S HOPPER	001	LEA	Unknown (MORROW)	13200	2001-12-01 00:00:00.0	6.45	553.26	1245	82136	0.00
30-025-35867			001	LEA		13300						0.00
30-025-36081			2	LEA		13800						0.00
30-025-28048			001	LEA		0						0.00
30-025-01879			001	LEA		0						0.00
30-025-35859			001	LEA		13450						0.00
30-025-30529			001	LEA		0						0.00
30-025-02694	GREAT WESTERN DRILLING CO	TOWN	001	LEA	TULK (UPPER WOLFCAMP)	11179	1970-01-01 00:00:00.0			170985	300449	12.73
30-025-35728			001	LEA								0.00
30-025-22238			001	LEA		0						0.00
30-025-23188			001	LEA		0						0.00
30-025-30602			001	LEA		0						0.00
30-025-21870			002	LEA		0						0.00
30-025-27920	GREAT WESTERN DRILLING CO	GLENN CLEVELAND AFR	001	LEA	MORTON (WOLFCAMP)	13023	1983-01-01 00:00:00.0	123.25	127.79	57488	89406	0.00
30-025-27920	GREAT WESTERN DRILLING CO	GLENN CLEVELAND AFR	001	LEA	MORTON (MORROW)	13023	1995-08-01 00:00:00.0	0.13	134.33	285	17201	1.03
30-025-27920	YATES PETROLEUM CORPORATION	GLENN CLEVELAND AFR	001	LEA	MORTON (MORROW, EAST)	13023	1995-10-01 00:00:00.0	1.63	90.00	1384	92136	0.00
30-025-28827	FASKEN OIL & RANCH LTD	SUPERIOR A STATE	001	LEA	SWD (SAN ANDRES)	10500	1984-11-01 00:00:00.0	45.58	65.87	13619	30824	0.00
30-025-22162			001	LEA		0						0.00
30-025-26504	J M HUBER CORP	STOLTZ FEDERAL	002	LEA	MORTON (WOLFCAMP)	10430	1980-01-01 00:00:00.0	142.28	159.76	211292	595401	0.00
30-025-21806	KEVIN O BUTLER & ASSOC INC	FEDERAL A	001	LEA	MORTON (WOLFCAMP)	10450	1970-01-01 00:00:00.0			335951	410535	0.00
30-025-35840			001	LEA		13200						0.00
30-025-29451			002	LEA		0						0.00
30-025-28291	FASKEN OIL & RANCH LTD	SUPERIOR STATE	001	LEA	MORTON (WOLFCAMP)	10500	1984-01-01 00:00:00.0	93.14	0.03	207022	298891	14.53
30-025-02690	FASKEN OIL & RANCH LTD	CABOT Q STATE SWD	001	LEA	SWD (SAN ANDRES)	14262				0	0	0.00
30-025-28826	FASKEN OIL & RANCH LTD	SUPERIOR STATE	002	LEA	MORTON (WOLFCAMP)	10500	1984-09-01 00:00:00.0	0.00	54.45	81333	112540	0.00
30-025-21686	FASKEN OIL & RANCH LTD	STOLTZ FEDERAL	001	LEA	MORTON (WOLFCAMP)	10400	1970-01-01 00:00:00.0	0.00	0.00	324079	547393	5.53

30-025-22658			001	LEA		0						0.00
30-025-28769	YATES PETROLEUM CORPORATION	GLENN CLEVELAND AFR	002	LEA	MORTON (WOLFCAMP)	10610	1984-09- 01 00:00:00.0	51.65	47.71	28337	33902	0.00
30-025-20991	KEVIN O BUTLER & ASSOC INC	GULF FEDERAL	001	LEA	SWD (SAN ANDRES- GLORIETA)	10703	1970-01- 01 00:00:00.0			2627	11161	0.00
30-025-29142			001	LEA		0						0.00
30-025-28674	FASKEN OIL & RANCH LTD	JAMES O'NEILL	003	LEA	MORTON (WOLFCAMP)	10500	1984-05- 01 00:00:00.0	72.17	0.03	47439	172555	0.00

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Reformatted July 20, 2001

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Permian Resources, Inc. P.O. Box 590 Midland, Texas 79702		² OGRID Number 025797
⁴ API Number 30 - 025-35867		³ Reason for Filing Code/ Effective Date Downhole commingling
⁵ Pool Name Tulk, Upper Wolfcamp South		⁶ Pool Code 56295
⁷ Property Code 29614	⁸ Property Name Townstart "ACS" State	
		⁹ Well Number 1

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	18	15S	35E		1650'	South	990'	West	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	18	15S	35E		1650'	South	990'	West	Lea
¹² Lse Code P	¹³ Producing Method Code	¹⁴ Gas Connection Date Unknown	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
047370	Plains Marketing LP 10 Desta Dr. Ste. 200 Midland, Texas 79705		O	Unit L, Sec. 18, T15S, R35E

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description Unit L, Sec.18, T15S, R35E
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V. Well Completion Data

²⁵ Spud Date 4-3-02	²⁶ Ready Date 11-16-02	²⁷ TD 13,200'	²⁸ PBTd 11,150'	²⁹ Perforations 10,736-10765'	³⁰ DHC, MC
³¹ Hole Size	³² Casing & Tubing Size	³³ Depth Set	³⁴ Sacks Cement		
17 1/2"	13 3/8"	406'	420 Sxs Prem P. Circ to surface		
12 1/4"	9 5/8"	5750'	1400 Sxs Inner-fill C w/1/4# flocele, tailed w/250 Sxs Prem P w/2%CaCl2. TOC Surf		
8 3/4"	5 1/2"	13000'	800 Sxs Inner-fill H w/1/4# flocele, tailed w/1280 sxs Super H TOC 5250'		

VI. Well Test Data

³⁵ Date New Oil 04-03-2002	³⁶ Gas Delivery Date 01-30-2003	³⁷ Test Date 11-30-2002	³⁸ Test Length 24 Hrs	³⁹ Tbg. Pressure 10#	⁴⁰ Csg. Pressure 0#
⁴¹ Choke Size	⁴² Oil 28 Bbls	⁴³ Water 170 Bbls	⁴⁴ Gas NA	⁴⁵ AOF	⁴⁶ Test Method Pump
⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature:			OIL CONSERVATION DIVISION		
Printed name: Barbara Watson			Approved by:		
Title: Regulatory Compliance			Title:		
Date: 03-11-2003			Approval Date:		
Phone: 915/685-0113					

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised March 25, 1999

WELL API NO.

30-025-35867

5. Indicate Type of Lease

STATE ☐ FEE ☒

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☒ GAS WELL ☐ DRY ☐ THER ☐

b. Type of Completion:
NEW ☐ WORK ☐ DEEPEN ☒ PLUG ☐ DIFF.
WELL OVER BACK RESVR. ☐ OTHER

2. Name of Operator
Permian Resources, Inc. OGRID 25797

3. Address of Operator
P.O. Box 590, Midland, Texas 79702

7. Lease Name or Unit Agreement Name

Townstar ACS State

8. Well No.
1

9. Pool name or Wildcat
Tulk, Upper Wolfcamp South

4. Well Location
Unit Letter L : 1650 Feet From The South Line and 950 Feet From The West Line

Section 18 Township 15S Range 35E NMPM Lea County

10. Date Spudded 04-03-02	11. Date T.D. Reached 05-29-02	12. Date Compl. (Ready to Prod.) 11-15-02	13. Elevations (DF& RKB, RT, GR, etc.) 4041 GL 4061.5 KB 4060.5 DF	14. Elev. Casinghead
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15. Total Depth 13200	16. Plug Back T.D. 11150	17. If Multiple Compl. How Many Zones? 2	18. Intervals Drilled By Rotary	Rotary Tools	Cable Tools
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19. Producing Interval(s), of this completion - Top, Bottom, Name
Abo/Wolfcamp - 9656-9692' WC Cisco 10736-10765'

20. Was Directional Survey Made
No

21. Type Electric and Other Logs Run
Compensated Neutron, Compensated Sonic, Laterolog

22. Was Well Cored
No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48	406	17 1/2	420 Sxs Prem P,	
				Circ to surface	
9 5/8	36 & 40	5750	12 1/4	1400 Sxs Inner-Fill C w/14#Flocele, tailed w/250 sxs Prem P w/2% CaCl ₂ , TOC Surface	
5 1/2	17 & 20	13,000	8 3/4	800 Sxs Inner-fill H	
				w/1/4# flocele, tailed w/1280 sxs Super H TOC 5250'	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	11,711'	

26. Perforation record (interval, size, and number)
See Attached Sheet

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

28. PRODUCTION

Date First Production 11-06-02	Production Method (Flowing, gas lift, pumping - Size and type pump) 2 1/2 x 1 1/2 x 1' RHBC Pump	Well Status (Prod. or Shut-in) Producing
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Date of Test 11-2-02	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 20	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
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Flow Tubing Press. 10	Casing Pressure	Calculated 24-Hour Rate 24	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 34.5
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29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Waiting on Connection

Test Witnessed By
Ruben Collins

30. List Attachments
C-102

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

Signature Barbara Watson Printed Name Barbara Watson Title Regulatory Compliance Date 3-11-03

Permian Resources, Inc

Townstar "ACS" State No. 1

Yates Petroleum Co. Workover Report to

NMOCD Form C-101 Filed by Yates Petroleum Corporation dated 3/20/02, approved 3/21/02 as Wildcat Mississippian

Surface Location

1650' FSL & 990' FWEL
Unit L, Section 18, T15S, R35E
Lea County, New Mexico

320 Acres, NW/4 SW/4
Elevation: 4041' GR

Existing Hole Sizes, Casing Sizes and Cement

17-1/2" hole @ 406'	13-3/8" 9 jts, 48 #/ft H-40 SR, STC casing @ 406'	Cmt w/ 200 sxs.Premium Plus w/1/4#Flocele, 2%CaCl2 + 220 sxs. Premium Plus CaCl2 Circulated 80 sx to pit.
12-1/4" hole @ 4,160'	9-5/8" 129 jts. 36 & 40 #/ft casing @ 5750'	Cmt w/ 1400 sxs Inner-fill Cw/1/4# flocele, tailed in w/250 sxs. Premium Plus w/2%CaCl2. TOC Surface, cement circulated.
8-3/4" hole @ 11,600'	5 -1/2" 17 & 20 #/ft casing @ 13,000'	Cmt w/ 800 sxs Inner-fill H w/1/4# flocele. Tailed in w/1280 sxs Super H w/1# salt + 5/10% Halad 344 + 4/10% CFR-3 + 5# gilsonite + 2/1-%HR-7. TOC calculated @5250'

PBTD – 13,153'

Perforated Intervals

Atoka 6/12/02
11979-11995' (102 Hole 4 SPF)
Acdz w/150 gals 7 1/2% Acid + 1000 SCF N@/bbls.

Set CIBP @11950' w/35' cmt.

Permian Resources, Inc.
Townstar "ACS" State No. 1

2 December 2002 – Page 2

Strawn 6/18/02

11818-11830' (52 Holes 4 SPF)

Acidz w/210 gal 20% ICHCL spot.

Re-acidz w/2000 gals 20% ICHCL + 25 BS.

Set CIBP @11780' w/35' cmt.

Canyon 6/24/02

11194-11200' & 11204-11208' (48 Hole 4 SPF)

Acidz w/210 gals 20% ICHCL spot.

Set 5 1/2" CIBP @11150' w/35' cmt.

Cisco 6/26/02

10736-10747, 10750-10756' & 10759-10765'

(104 Holes 4 SPF)

Acidz w/210 gal 20% UCHCL spot.

Re-acidz Cisco @10736-10765' w/2500 gal 20% HCL w/1000
SCF N2/Bbls + 50 BS.

Abo/Wolfcamp 7/8/02

9656-9660' & 9670-9692' (168 Holes 6 SPF)

Acidz w/210 gals 20% HCL spot.

Re-acidz Abo/Wolfcamp 9656-9692' w/2500 gals 20% NeFe +
80 BS.