

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV

New Mexico
Energy Minerals and Natural Resources Department
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

4-0256

APPLICATION FOR
QUALIFICATION OF WELL WORKOVER PROJECT
AND CERTIFICATION OF APPROVAL

THREE COPIES OF THIS APPLICATION AND ALL ATTACHMENTS MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

I. Operator: Harvey E. Yates Company OGRID #: 010179

Address: P.O. Box 1933, Roswell, N.M. 88202

Contact Party: Ray Nokes Phone: 505/623-6601

II. Name of Well: Young Deep Unit #12 API #: 30-025-30866
Location of Well: Unit Letter I, 1650 Feet from the South line and 330 feet from the East line,
Section 4, Township 18S, Range 32E, NMPM, Lea County

III. Date Workover Procedures Commenced: 9/16/96
Date Workover Procedures were Completed: 10/11/96

IV. Attach a description of the Workover Procedures undertaken to increase the production from the Well.

V. 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: Young Bone Spring, North

VII. AFFIDAVIT:

State of New Mexico)
) ss.
County of Chaves)

Steven M Yates, being first duly sworn, upon oath states:

1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. 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.
3. 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.

Steven M. Yates
(Name)

V.P. Vice-President

(Title)

JAN 16 1997

M.F.

SUBSCRIBED AND SWORN TO before me this 14th day of Jan, 1997

M. L. Olson

Notary Public

My Commission expires: 8-12-00

FOR 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 10-11-96 1996.

Paul G. Kuntz
District Supervisor, District 1 Geologist
Oil Conservation Division

Date: 2/21/97

IX. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.

DATE: _____

BEGIN DATE: 09/16/1996

END DATE : 10/31/1996

975600-012
YOUNG DEEP UNIT #12
AFE# L011650' FSL & 330' FEL
SEC 4, T 18S, R 32E
COUNTY-LEA

09/17/1996 DAY 01, (BS CARB 8228-8318 (OA)'), TEST ANCHORS & DIG PIT, MI & RU COMPL UNIT, COULD NOT REVERSE PMP OOH, RU KILL TRUCK & DISPLACE HOLE W/FRESH WATER W/H2S SCAVENGER & NH4CL, RD KILL TRUCK, NO WH, NO WELDER TO CUT 5 STUDS OFF WH, NU BOP, UNSET PKR & STRAP OOH W/253 JTS TBG (8068.10') AVG-31.89', LD CAVITY & PKR, SI, SDFN, (BW)
DC-\$2,736, CC-\$2,736.

09/18/1996 DAY 02, (BS CARB 8228-8318 (OA)'), GIH W/UNI-VI RBP, RETR HEAD, UNI-V PKR & SN ON TBG, SET RBP @ 8320', GET OFF RBP & SET PKR, RU KILL TRUCK & TEST RBP TO 2000 PSI, HELD OK, PUL L PKR TO 8059 & SET, RU SWAB, MADE RUNS W/SINKER BARS & RUN W/PARTIAL CUP TO CHECK TBG, REC PARAFFIN & SCALE, IFL-400' FS, FFL-1400' FS, REC 1089 BW IN 37 RUNS, LAST 5 RUNS 1% OIL, SI, SDFN, (BW)
DC-\$2,794, CC-\$5,530.

09/19/1996 DAY 03, (BS CARB 8228-8318 OA'), SITP 250 PSI, BLED DOWN GAS & RU SWAB, IFL-1100' FS, 1ST RUN 60% OIL, SUBSEQUENT RUNS 1% OR LESS, FFL-1300' FS, LAST RUN 1% OIL, RU JARREL SERV & RAN PRESS BOMB IN HOLE, SDFN, (BW)
DC-\$840, CC-\$6,370.

09/20/1996 DAY 04, (BS CARB 8228-8318 OA'), SITP 250 PSI, PULL PRESSURE BOMB, MID PERF EXTRAPOLATED PRESS 3471 PSI IN 19 HRS, BLOW DOWN GAS & UNSET PKR, LOWER TBG & CATCH RBP, REL RBP & POOH, GIH W/UNI-V PKR & SN ON TBG TO 8345', RU KILL TRUCK & DISP TBG W/NH4CL WTR, SET PKR & RU SWAB, IFL-SURFACE, MADE 7 SWAB RUNS & WELL KICKED OFF FLOWING, FLOWED 45 BO IN 1 1/4 HRS, SI, SDFN, (BW)
DC-\$1,740, CC-\$8,110.

09/21/1996 DAY 05, (BS CARB 8228-8318'), SITP 410 PSI, RU JARREL SERV & RAN PRESS BOMB, 16 HR MID PERF EXTRAPOLATED PRESS 2052 PSI, RD JARREL, OPEN WEL TO BATTERY, GAS BLED OFF & WEL LDIED, MADE ONE SWAB RUN & WELL K/O FLOWING, STABILIZED @ 10 BBLS/HR ON 16/64" CHOKE, TP 130 PSI, GAS FLOW 146 MCF/DAY, SD, (BW)
DC-\$2,380, CC-\$10,490.

09/22/1996 DAY 06, (BS SAND 8470-8764'), PROD 172 BO, 11 BW, 66 MCF IN 20 HRS
DC-\$25, CC-\$10,515.

09/23/1996 DAY 07, (BS SAND 8470-8764'), PROD 148 BO, 0 BW, 102 MCF IN

BEGIN DATE: 09/16/1996

END DATE : 10/31/1996

20 HRS, FTP 100 PSI, (BW)
DC-\$25, CC-\$10,540.

09/24/1996 DAY 08, (BS SAND 8470-8764'), PROD 148 BO, 0 BW, 85 MCF IN
22 HRS, FTP-100 PSI, UNSET PKR, RU KILL TRUCK, REV OUT OF
TBG, POOH, GIH W/DUMMY RETR HEAD ON TBG, WASH OVER TOP OF
LOK-SET & POOH, GIH W/RETR HEAD ON TBG, SDFN, (BW)
DC-\$2,138, CC-\$12,678.

09/25/1996 DAY 09, (BS SAND 8470-8764'), RU KILL TRUCK & DISPLACE HOLE
W/NH4CL WTR, SPOT H2S SCAVENGER ACROSS & ABOVE PERFS, CATCH
& RELEASE LOK-SET BRIDGE PLUG, POOH, GIH W/DUMMY RETR HEAD
ON TBG, TAG @ 8758' (12' OF FILL), START IN HOLE W/UNI-VI
RBP, RETR HEAD, UNI-V PKR & SN ON TBG, SI, SDFN, (BW)
DC-\$2,688, CC-\$15,366.

09/26/1996 DAY 10, (BS SAND 8470-8764'), FIN GIH, SET RBP @ 8391', GET
OFF RBP & SET PKR, TEST RBP TO 2500 PSI, HELD OK, DISP HOLE
TO GET RID OF OIL & GAS, POOH, RU WEDGE WIRELINE & DUMP
17' SAND ON TOP OF RBP, (NOTE: 24' DIFFERENCE BETWEEN TBG
TALLY & LOGS), RD WEDGE & GIH W/UNI-V PKR & SN ON TBG TO
7800', SI, SDFN, (BW)
DC-\$2,667, CC-\$18,033.

09/27/1996 DAY 11, (BS SAND 8470-8764'), LOWER PKR TO 8318', RU HUGHES
SERV & SPOT 1000 GALS 15% HCL ACROSS PERFS, LET ACID SOAK
15 MIN, PULL PKR TO 8172' & REV ACID INTO TBG, PUT ACID
AWAY @ 4.3 BPM @ 3300 PSI, LOWER PKR TO 8318 & REV HOLE
CLEAN, POOH, SET HOWCO CMT RETAINER @ 8173' BY WIRELINE,
GIH W/STINGER ON TBG, RU HALLIBURTON & SQZ PERFS 8228-8318
W/98 SKS CL "H" W/.4% HALAD-9, SQZ TO 3000 PSI IN 3
STAGES, STING OUT OF RET & REV TBG CLEAN IN TWO STAGES, P
OOH, SI, SDFN, (BW)
DC-\$16,353, CC-\$34,386.

09/28/1996 DAY 12, (BS SAND 8470-8764'), SI WO CMT, (BW)
DC-\$45, CC-\$34,431.

09/29/1996 DAY 13, (BS SAND 8470-8764'), SI WO CMT
DC-\$45, CC-\$34,476.

09/30/1996 DAY 14, (BS SAND 8470-8764'), SI WO CMT, (BW)
DC-\$45, CC-\$34,521.

10/01/1996 DAY 15, (BS SAND 8470-8764'), GIH W/4 3/4" BIT, BIT SUB ,
6-3 1/2" DC'S ON TBG, TAG CMT @ 8143', DRL 30' OF CMT TO
RETAINER @ 8173', DRL CMT RETAINER IN 4 1/2 HRS, DRL 42'
OF CMT TO 8215', CIRC HOLE CLEAN, SI, SDFN, (BW)
DC-\$3,025, CC-\$37,546.

BEGIN DATE: 09/16/1996

END DATE : 10/31/1996

- 10/02/1996 DAY 16, (BS SAND 8470-8764'), FIN DRLG CMT & CONT IN HOLE, CIRC SAND OFF RBP, GIH W/DUMMY RETR HEAD & 5 1/2" CSG SCRAPER ON TBG, FIN CIRC SAND OFF RBP, POOH, SIH W/RETR HEAD & SN ON TBG, SI, SDFN, (BW)
DC-\$2,325, CC-\$39,871.
- 10/03/1996 DAY 17, (PBD-8395', BS SAND 8470-8764'), FIN GIH W/RET HEAD & SN TO TOP OF RBP, RU KILL TRUCK & DISPLACE HOLE W/ NH4CL WTR W/ADAMOL, CATCH & REL RBP, POOH, GIH W/UNI-V PKR & SN ON 262 JTS TBG, SET PKR @ 8398' (WIRELINE), RU SWAB, IFL-3500', FFL-4000', REC 40 BW IN 10 RUNS, LAST 3 RUNS HAD GOOD GAS W/TRACE OF OIL, SI, SDFN, (BW)
DC-\$3,697, CC-\$43,568.
- 10/04/1996 DAY 18, (BS SAND 8470-8764'), SITP 50 PSI, BD GAS & RU SWAB, IFL-3600', FFL-4200', REC 120 BW IN 30 RUNS, OIL CUT IN AM WAS 1% & INCREASED TO 20% BY END OF DAY, SI, SDFN, (BW)
DC-\$1,700, CC-\$45,268.
- 10/05/1996 DAY 19, (BS SAND 8470-8764'), SITP 190 PSI, BD GAS & RU SWAB, IFL-3600', 1ST RUN 100% OIL, FFL-4300', LAST RUN 20% OIL, REC 16 BO & 100 BW IN 31 RUNS, HAD STRONG GAS THRU OUT DAY, SI, SDFN, (BW)
DC-\$1,700, CC-\$46,968.
- 10/06/1996 DAY 20, (BS SAND 8470-8764'), SITP 260 PSI, BD GAS & RU SWAB, IFL-3000', 1ST 4 RUNS 100% OIL, FFL-3700', LAST RUN 25% OIL, REC 42 BO, 82 BW IN 35 RUNS, SI, SDFN, (BW)
DC-\$1,700, CC-\$48,668.
- 10/07/1996 DAY 21, (BS SAND 8470-8764'), SITP 260 PSI, BD GAS & RU SWAB, IFL-2400', MADE 1 SWAB RUN & WELL K/O FLOWING, FLOWED FOR 40 MIN & DIED, CONTINUE SWABBING, 1ST 4 RUNS 100% OIL, THEN DROPPED TO 25%, LAST 5 RUNS OIL CUT INCREASED TO 80%, FFL-3600', REC 105 BBLs IN 30 RUNS (56 BO, 49 BW), SI, SDFN, (BW)
DC-\$1,700, CC-\$50,368.
- 10/08/1996 DAY 22, (BS SAND 8470-8764'), SITP 260 PSI, BD GAS & RU SWAB, IFL-2100', MADE 2 RUNS & WELL STARTED FLOWING, FLOWED 13 BO IN 2 HRS & DIED, CONTINUE SWABBING, FFL-3600', REC 89 BBLs IN 27 RUNS (56 BO, 33 BW), LAST RUN 80% OIL CUT, SI, SDFN, (BW)
DC-\$1,550, CC-\$51,918.
- 10/09/1996 DAY 23, (BS SAND 8470-8764'), SITP 290 PSI, BD GAS & RU SWAB, IFL-2600', MADE 1 RUN & WELL FLOWED 9 BBLs IN 70 MINS

BEGIN DATE: 09/16/1996

END DATE : 10/31/1996

& DIED, CONTINUE SWABBING, FFL-3600', REC 80 BO, 10 BW IN
27 RUNS, SI, SDFN, (BW)
DC-\$1,550, CC-\$53,468.

10/10/1996 DAY 24, (BS SAND 8470-8764'), SITP 290 PSI, BD GAS & RU
SWAB, IFL-2600', MADE 1 RUN & WELL FLOWED 16 BBLS IN 80 MIN
& DIED, CONTINUE SWABBING, FFL-3600', REC 110 BO, & 20 BW
IN 32 RUNS, SI, SDFN, (BW)
DC-\$1,550, CC-\$55,018.

10/11/1996 DAY 25, (PBD-8395', BS SAND 8470-8764'), SITP 240 PSI, RU
KILL TRUCK & DISP TBG W/NH4CL WTR, RD KILL TRUCK, ND WH &
NU BOP, UNSET PKR & POOH, GIH W/MUD ANCHOR, 4' PERFORATED
SUB, SN, 20 JTS TBG, ANCHOR & 240 JTS TBG, ND BOP & NU WH,
SN @ 8334' & ANCHOR @ 7696', SIH W/PMP & RODS, SI, SDFN,
(BW)
DC-\$53,020, CC-\$108,038.

10/12/1996 DAY 26, (BS SAND 8470-8764'), FIN GIH W/2" X 1 1/2" X 24'
PMP, 2'-7/8" PONY, 21-7/8", 226-3/4" & 84- 7/8" RODS, 14' X
7/8" PONY, SPACE OUT & PUT ON PROD @ 5:30 PM, WILL RD MON
AM, SDFN, (BW)
DC-\$1,680, CC-\$109,718.

10/13/1996 DAY 27, (BS SAND 8470-8764'), PROD 28 BO, 123 BW & 4 MCF IN
16 1/2 HRS, (BW)
CC-\$109,718.

10/14/1996 DAY 28, (BS SAND 8470-8764'), PROD 38 BO, UNKNOWN WTR, 39
MCF IN 23 HRS, (WTR METER NOT WORKING)
CC-\$109,718.

10/15/1996 DAY 29, (BS SAND 8470-8764'), GAUGES INDICATE THERE WERE NO
MECHANICAL PROBLEMS & THEREFORE PMPD 24 HRS, PROD 138 BO,
63 BW (LOAD), & 50 MCF, WILL CHECK BACKSIDE PRESS
TOMORROW, (RFN)
CC-\$109,718.

999800 HARVEY E YATES COMPANY

975600-009 1980' FSL & 660' FWL
YOUNG DEEP UNIT #9 SEC 3, T 18S, R 32E
AFE# LOE
UNIT, (BW)
DC-\$3,039, CC-\$4,639.

COUNTY-LEA

975600-010 2080' FSL & 1980' FWL
YOUNG DEEP UNIT #10 SEC 3, T 18S, R 32E
AFE# LOE

COUNTY-LEA

07/19/1995 DAY 01, (BS SD 8737-8801'), MI & RU COMPL UNIT, POOH W/RODS
& PMP, NO-GO ON PMP WAS CRACKED, GIH W/2" X 1 1/2" X 24'
PMP, 2'X 7/8" PONY, 21-7/8", 213-3/4" & 117-7/8" RODS,
2-2'X 7/8" PONIES, LOAD & TEST TBG & PMP TO 1000 PSI, HELD
OK, SHOWED GOOD PMP ACTION, PUT ON PROD @ 12:15 PM, RD &
REL COMPL UNIT, (BW)
DC-\$990, CC-\$990.

975600-011 1650' FNL & 1980' FWL
YOUNG DEEP UNIT #11 SEC 9, T 18S, R 32E
AFE# LOE

COUNTY-LEA

07/19/1996 DAY 01, MI & RU L&R, WORK W/PMP, UNSEAT PMP, HOT OIL TBG
W/75 BO, PULL RODS & PMP, RUN 2" X 1 1/4" X 24' PMP & RODS,
LOAD TBG, CHECK PMP ACTION, HANG WELL BACK ON, RD, (RC)
DC-\$738, CC-\$738.

975600-012 1650' FSL & 330' FEL
YOUNG DEEP UNIT #12 SEC 4, T 18S, R 32E
AFE# L01

COUNTY-LEA

09/17/1996 DAY 01, (BS CARB 8228-8318 (QA)'), TEST ANCHORS & DIG PIT,
MI & RU COMPL UNIT, COULD NOT REVERSE PMP OOH, RU KILL
TRUCK & DISPLACE HOLE W/FRESH WATER W/H2S SCAVENGER &
NH4CL, RD KILL TRUCK, NO WH, NO WELDER TO CUT 5 STUDS OFF
WH, NU BOP, UNSET PKR & STRAP OOH W/253 JTS TBG (8068.10')
AVG-31.89', LD CAVITY & PKR, SI, SDFN, (BW)
DC-\$2,736, CC-\$2,736.

09/18/1996 DAY 02, (BS CARB 8228-8318 (QA)'), GIH W/UNI-VI RBP, RETR
HEAD, UNI-V PKR & SN ON TBG, SET RBP @ 8320', GET OFF RBP &
SET PKR, RU KILL TRUCK & TEST RBP TO 2000 PSI, HELD OK, PUL
L PKR TO 8059 & SET, RU SWAB, MADE RUNS W/SINKER BARS &
RUN W/PARTIAL CUP TO CHECK TBG, REC PARAFFIN & SCALE,
IFL-400' FS, FFL-1400' FS, REC 1089 BW IN 37 RUNS, LAST 5

999800 HARVEY E YATES COMPANY

975600-012 1650' FSL & 330' FEL
YOUNG DEEP UNIT #12 SEC 4, T 18S, R 32E
AFE# L01

COUNTY-LEA

RUNS 1% OIL, SI, SDFN, (BW)
DC-\$2,794, CC-\$5,530.

09/19/1996 DAY 03, (BS CARB 8228-8318 OA'), SITP 250 PSI, BLED DOWN
GAS & RU SWAB, IFL-1100' FS, 1ST RUN 60% OIL, SUBSEQUENT
RUNS 1% OR LESS, FFL-1300' FS, LAST RUN 1% OIL, RU JARREL
SERV & RAN PRESS BOMB IN HOLE, SDFN, (BW)
DC-\$840, CC-\$6,370.

09/20/1996 DAY 04, (BS CARB 8228-8318 OA'), SITP 250 PSI, PULL
PRESSURE BOMB, MID PERF EXTRAPOLATED PRESS 3471 PSI IN 19
HRS, BLOW DOWN GAS & UNSET PKR, LOWER TBG & CATCH RBP, REL
RBP & POOH, GIH W/UNI-V PKR & SN ON TBG TO 8345', RU KILL
TRUCK & DISP TBG W/NH4CL WTR, SET PKR & RU SWAB,
IFL-SURFACE, MADE 7 SWAB RUNS & WELL KICKED OFF FLOWING,
FLOWED 45 BO IN 1 1/4 HRS, SI, SDFN, (BW)
DC-\$1,740, CC-\$8,110.

09/21/1996 DAY 05, (BS CARB 8228-8318'), SITP 410 PSI, RU JARREL SERV
& RAN PRESS BOMB, 16 HR MID PERF EXTRAPOLATED PRESS 2052
PSI, RD JARREL, OPEN WEL TO BATTERY, GAS BLED OFF & WEL
LDIED, MADE ONE SWAB RUN & WELL K/O FLOWING, STABILIZED @
10 BBLs/HR ON 16/64" CHOKE, TP 130 PSI, GAS FLOW 146
MCF/DAY, SD, (BW)
DC-\$2,380, CC-\$10,490.

09/22/1996 DAY 06, (BS SAND 8470-8764'), PROD 172 BO, 11 BW, 66 MCF IN
20 HRS
DC-\$25, CC-\$10,515.

09/23/1996 DAY 07, (BS SAND 8470-8764'), PROD 148 BO, 0 BW, 102 MCF IN
20 HRS, FTP 100 PSI, (BW)
DC-\$25, CC-\$10,540.

09/24/1996 DAY 08, (BS SAND 8470-8764'), PROD 148 BO, 0 BW, 85 MCF IN
22 HRS, FTP-100 PSI, UNSET PKR, RU KILL TRUCK, REV OUT OF
TBG, POOH, GIH W/DUMMY RETR HEAD ON TBG, WASH OVER TOP OF
LOK-SET & POOH, GIH W/RETR HEAD ON TBG, SDFN, (BW)
DC-\$2,138, CC-\$12,678.

09/25/1996 DAY 09, (BS SAND 8470-8764'), RU KILL TRUCK & DISPLACE HOLE
W/NH4CL WTR, SPOT H2S SCAVENGER ACROSS & ABOVE PERFS, CATCH
& RELEASE LOK-SET BRIDGE PLUG, POOH, GIH W/DUMMY RETR HEAD
ON TBG, TAG @ 8758' (12' OF FILL), START IN HOLE W/UNI-VI
RBP, RETR HEAD, UNI-V PKR & SN ON TBG, SI, SDFN, (BW)

999800 HARVEY E YATES COMPANY

975600-012
YOUNG DEEP UNIT #12
AFE# L011650' FSL & 330' FEL
SEC 4, T 18S, R 32E

COUNTY-LEA

DC-\$2,688, CC-\$15,366.

09/26/1996 DAY 10, (BS SAND 8470-8764'), FIN GIH, SET RBP @ 8391', GET OFF RBP & SET PKR, TEST RBP TO 2500 PSI, HELD OK, DISP HOLE TO GET RID OF OIL & GAS, POOH, RU WEDGE WIRELINE & DUMP 17' SAND ON TOP OF RBP, (NOTE: 24' DIFFERENCE BETWEEN TBG TALLY & LOGS), RD WEDGE & GIH W/UNI-V PKR & SN ON TBG TO 7800', SI, SDFN, (BW)
DC-\$2,667, CC-\$18,033.

09/27/1996 DAY 11, (BS SAND 8470-8764'), LOWER PKR TO 8318', RU HUGHES SERV & SPOT 1000 GALS 15% HCL ACROSS PERFS, LET ACID SOAK 15 MIN, PULL PKR TO 8172' & REV ACID INTO TBG, PUT ACID AWAY @ 4.3 BPM @ 3300 PSI, LOWER PKR TO 8318 & REV HOLE CLEAN, POOH, SET HOWCO CMT RETAINER @ 8173' BY WIRELINE, GIH W/STINGER ON TBG, RU HALLIBURTON & SQZ PERFS 8228-8318 W/98 SKS CL "H" W/.4% HALAD-9, SQZ TO 3000 PSI IN 3 STAGES, STING OUT OF RET & REV TBG CLEAN IN TWO STAGES, POOH, SI, SDFN, (BW)
DC-\$16,353, CC-\$34,386.

09/28/1996 DAY 12, (BS SAND 8470-8764'), SI WO CMT, (BW)
DC-\$45, CC-\$34,431.

09/29/1996 DAY 13, (BS SAND 8470-8764'), SI WO CMT
DC-\$45, CC-\$34,476.

09/30/1996 DAY 14, (BS SAND 8470-8764'), SI WO CMT, (BW)
DC-\$45, CC-\$34,521.

10/01/1996 DAY 15, (BS SAND 8470-8764'), GIH W/4 3/4" BIT, BIT SUB, 6-3 1/2" DC'S ON TBG, TAG CMT @ 8143', DRL 30' OF CMT TO RETAINER @ 8173', DRL CMT RETAINER IN 4 1/2 HRS, DRL 42' OF CMT TO 8215', CIRC HOLE CLEAN, SI, SDFN, (BW)
DC-\$3,025, CC-\$37,546.

10/02/1996 DAY 16, (BS SAND 8470-8764'), FIN DRLG CMT & CONT IN HOLE, CIRC SAND OFF RBP, GIH W/DUMMY RETR HEAD & 5 1/2" CSG SCRAPER ON TBG, FIN CIRC SAND OFF RBP, POOH, SIH W/RETR HEAD & SN ON TBG, SI, SDFN, (BW)
DC-\$2,325, CC-\$39,871.

10/03/1996 DAY 17, (PBT-8395', BS SAND 8470-8764'), FIN GIH W/RET HEAD & SN TO TOP OF RBP, RU KILL TRUCK & DISPLACE HOLE W/ NH4CL WTR W/ADAMOL, CATCH & REL RBP, POOH, GIH W/UNI-V PKR

999800 HARVEY E YATES COMPANY

975600-012

YOUNG DEEP UNIT #12

AFE# L01

1650' FSL & 330' FEL

SEC 4, T 18S, R 32E

COUNTY-LEA

& SN ON 262 JTS TBG, SET PKR @ 8398' (WIRELINE), RU SWAB,
IFL-3500', FFL-4000', REC 40 BW IN 10 RUNS, LAST 3 RUNS HAD
GOOD GAS W/TRACE OF OIL, SI, SDFN, (BW)
DC-\$3,697, CC-\$43,568.

10/04/1996 DAY 18, (BS SAND 8470-8764'), SITP 50 PSI, BD GAS & RU
SWAB, IFL-3600', FFL-4200', REC 120 BW IN 30 RUNS, OIL CUT
IN AM WAS 1% & INCREASED TO 20% BY END OF DAY, SI, SDFN, (BW)
DC-\$1,700, CC-\$45,268.

10/05/1996 DAY 19, (BS SAND 8470-8764'), SITP 190 PSI, BD GAS & RU
SWAB, IFL-3600', 1ST RUN 100% OIL, FFL-4300', LAST RUN 20%
OIL, REC 16 BO & 100 BW IN 31 RUNS, HAD STRONG GAS THRU O
UT DAY, SI, SDFN, (BW)
DC-\$1,700, CC-\$46,968.

10/06/1996 DAY 20, (BS SAND 8470-8764'), SITP 260 PSI, BD GAS & RU
SWAB, IFL-3000', 1ST 4 RUNS 100% OIL, FFL-3700', LAST RUN
25% OIL, REC 42 BO, 82 BW IN 35 RUNS, SI, SDFN, (BW)
DC-\$1,700, CC-\$48,668.

10/07/1996 DAY 21, (BS SAND 8470-8764'), SITP 260 PSI, BD GAS & RU
SWAB, IFL-2400', MADE 1 SWAB RUN & WELL K/O FLOWING, FLOWED
FOR 40 MIN & DIED, CONTINUE SWABBING, 1ST 4 RUNS 100% OIL,
THEN DROPPED TO 25%, LAST 5 RUNS OIL CUT INCREASED TO 80%,
FFL-3600', REC 105 BBLS IN 30 RUNS (56 BO, 49 BW), SI,
SDFN, (BW)
DC-\$1,700, CC-\$50,368.

10/08/1996 DAY 22, (BS SAND 8470-8764'), SITP 260 PSI, BD GAS & RU
SWAB, IFL-2100', MADE 2 RUNS & WELL STARTED FLOWING, FLOWED
13 BO IN 2 HRS & DIED, CONTINUE SWABBING, FFL-3600', REC
89 BBLS IN 27 RUNS (56 BO, 33 BW), LAST RUN 80% OIL CUT,
SI, SDFN, (BW)
DC-\$1,550, CC-\$51,918.

10/09/1996 DAY 23, (BS SAND 8470-8764'), SITP 290 PSI, BD GAS & RU
SWAB, IFL-2600', MADE 1 RUN & WELL FLOWED 9 BBLS IN 70 MINS
& DIED, CONTINUE SWABBING, FFL-3600', REC 80 BO, 10 BW IN
27 RUNS, SI, SDFN, (BW)
DC-\$1,550, CC-\$53,468.

10/10/1996 DAY 24, (BS SAND 8470-8764'), SITP 290 PSI, BD GAS & RU
SWAB, IFL-2600', MADE 1 RUN & WELL FLOWED 16 BBLS IN 80 MIN

999800 HARVEY E YATES COMPANY

975600-012
YOUNG DEEP UNIT #12
AFE# L01

1650' FSL & 330' FEL
SEC 4, T 18S, R 32E

COUNTY-LEA

& DIED, CONTINUE SWABBING, FFL-3600', REC 110 BO, & 20 BW
IN 32 RUNS, SI, SFDN, (BW)
DC-\$1,550, CC-\$55,018.

10/11/1996 DAY 25, (PBD-8395', BS SAND 8470-8764'), SITP 240 PSI, RU
KILL TRUCK & DISP TBG W/NH4CL WTR, RD KILL TRUCK, ND WH &
NU BOP, UNSET PKR & POOH, GIH W/MUD ANCHOR, 4' PERFORATED
SUB, SN, 20 JTS TBG, ANCHOR & 240 JTS TBG, ND BOP & NU WH,
SN @ 8334' & ANCHOR @ 7696', SIH W/PMP & RODS, SI, SDFN,
(BW)
DC-\$53,020, CC-\$108,038.

10/12/1996 DAY 26, (BS SAND 8470-8764'), FIN GIH W/2" X 1 1/2" X 24'
PMP, 2'-7/8" PONY, 21-7/8", 226-3/4" & 84- 7/8" RODS, 14'X
7/8" PONY, SPACE OUT & PUT ON PROD @ 5:30 PM, WILL RD MON
AM, SDFN, (BW)
DC-\$1,680, CC-\$109,718.

10/13/1996 DAY 27, (BS SAND 8470-8764'), PROD 28 BO, 123 BW & 4 MCF IN
16 1/2 HRS, (BW)
CC-\$109,718.

10/14/1996 DAY 28, (BS SAND 8470-8764'), PROD 38 BO, UNKNOWN WTR, 39
MCF IN 23 HRS, (WTR METER NOT WORKING)
CC-\$109,718.

10/15/1996 DAY 29, (BS SAND 8470-8764'), GAUGES INDICATE THERE WERE NO MECHANICAL PROBLEMS & THEREFORE PMPD 24 HRS, PROD 138 BO, 63 BW (LOAD), & 50 MCF, WILL CHECK BACKSIDE PRESS TOMORROW, (RFN)
CC-\$109,718.

975600-013
YOUNG DEEP UNIT #13
AFE# LOE

660' FNL & 1980' FWL
SEC 9, T 18S, R 32E

COUNTY - LEA

08/10/1995 DAY 01, (BS SAND 8394-9023 (QA)'), MI & RU COMPL UNIT,
PARTED RODS WHILE TRYING TO UNSEAT PMP, PIN PULLED OUT OF
BOX IN 87TH 3/4" ROD, GIH W/FISHING TOOL, COULD NOT GET
BELOW 1250', ND WH & NU BOP, UNSET ANCHOR & PULL TO TIGHT
SPOT, 47TH JT WAS CRIMPED IN PIN AREA, LD BAD JT, GIH
W/FISHING TOOL, CATCH FISH, UNSEAT PMP & POOH, GO BACK TO
BTM W/TBG, REPLACE BAD JT, SET ANCHOR, ND BOP & NU WH,
SDFN. (BW)

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F3=Exit F11=Days Produced/Remarks F12=Previous

PRODUCTION PLOT

FILE NAME: 97560-012
 WELL NAME: YOUNG DEEP UNIT #12
 FIELD: YOUNG BONE SPRING NORTH
 CUMULATIVE PRODUCTION:

BO	MCF	BW	GOR
199,199	168,897	1,471,334	848

PRIOR CUMS.	BO/YR	MCF/YR	BW/YR
	0	0	0

	MO. / YR.	BO/MO.	MCF/MO.	BW/MO.	DAYS	GOR
1	May-90	138	250	496	1	1,812
2	Jun-90	5,102	5,635	93	23	1,104
3	Jul-90	6,482	6,000	0	30	926
4	Aug-90	6,660	2,944	0	31	442
5	Sep-90	5,229	10,811	0	30	2,068
6	Oct-90	4,262	7,229	0	31	1,696
7	Nov-90	3,638	2,646	260	24	727
8	Dec-90	12,017	8,613	28	31	717
9	Jan-91	8,975	7,061	2,158	20	787
10	Feb-91	5,049	4,192	5,916	24	830
11	Mar-91	4,186	2,387	8,589	25	570
12	Apr-91	5,370	5,376	14,045	28	1,001
13	May-91	3,829	2,723	10,061	31	711
14	Jun-91	3,014	2,563	8,740	29	850
15	Jul-91	3,104	2,803	14,968	29	903
16	Aug-91	2,777	2,671	14,854	31	962
17	Sep-91	2,787	2,736	16,399	30	982
18	Oct-91	2,359	2,146	14,577	31	910
19	Nov-91	2,841	2,395	11,626	30	843
20	Dec-91	2,933	2,715	19,660	30	926
21	Jan-92	2,415	2,270	15,438	31	940
22	Feb-92	1,520	1,700	10,222	29	1,118
23	Mar-92	2,676	2,294	20,385	29	857
24	Apr-92	2,923	2,609	25,135	29	893
25	May-92	2,724	2,637	24,563	30	968
26	Jun-92	2,590	2,096	23,911	27	809
27	Jul-92	2,629	2,604	25,081	28	990
28	Aug-92	2,181	2,065	22,783	28	947
29	Sep-92	2,253	1,915	26,135	28	850
30	Oct-92	2,383	1,892	24,362	27	794
31	Nov-92	2,637	2,090	24,436	27	793
32	Dec-92	2,684	1,822	25,725	30	679
33	Jan-93	2,742	1,701	23,836	30	620
34	Feb-93	2,114	1,690	21,595	25	799
35	Mar-93	2,619	2,089	25,516	27	798
36	Apr-93	2,460	2,040	18,594	29	829
37	May-93	2,128	1,792	23,321	28	842
38	Jun-93	1,828	1,606	20,864	27	879
39	Jul-93	1,985	1,806	21,513	27	910
40	Aug-93	1,806	1,615	20,361	29	894
41	Sep-93	1,718	946	20,400	27	551
42	Oct-93	1,177	1,071	20,352	27	910
43	Nov-93	1,349	1,324	19,706	27	981
44	Dec-93	1,494	1,379	24,718	31	923
45	Jan-94	1,584	1,203	20,667	31	759
46	Feb-94	1,562	873	20,371	28	559
47	Mar-94	1,971	1,525	20,506	31	774
48	Apr-94	2,151	1,374	19,544	30	639
49	May-94	2,152	1,646	17,511	31	765
50	Jun-94	1,866	769	15,570	28	412
51	Jul-94	2,102	1,714	15,991	29	815

52	Aug-94	2,1	1,811	17,299	28	45
53	Sep-94	1,850	1,537	11,143	28	431
54	Oct-94	1,785	1,549	18,143	31	868
55	Nov-94	1,596	1,399	20,485	30	877
56	Dec-94	1,453	1,323	23,192	31	911
57	Jan-95	1,506	1,317	26,476	31	875
58	Feb-95	1,326	849	25,397	28	640
59	Mar-95	1,374	1,392	26,557	31	1,013
60	Apr-95	1,206	1,331	25,161	29	1,104
61	May-95	1,033	1,099	22,663	29	1,064
62	Jun-95	1,240	495	28,151	30	399
63	Jul-95	1,327	671	30,406	31	506
64	Aug-95	1,309	436	31,440	31	333
65	Sep-95	1,352	1,013	30,871	30	749
66	Oct-95	1,145	1,266	28,448	27	1,106
67	Nov-95	934	1,013	25,211	23	1,085
68	Dec-95	1,194	796	32,984	27	667
69	Jan-96	1,106	1,251	30,613	30	1,131
70	Feb-96	944	917	34,915	27	971
71	Mar-96	1,065	725	41,612	31	681
72	Apr-96	1,051	548	32,712	27	521
73	May-96	1,046	376	24,241	26	359
74	Jun-96	1,108	336	27,483	30	303
75	Jul-96	1,157	261	27,261	30	226
76	Aug-96	939	89	13,542	26	95
77	Sep-96	982	289	12,733	17	294
78	Oct-96	3,961	2,609	498	21	659
79	Nov-96	4,893	4,146	115	30	847
80	Dec-96					0
81	Jan-97					0
82	Feb-97					0
83	Mar-97					0
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115	Nov-99					0
116	Dec-99					0

PRODUCTION PLOT

FILE NAME: 97560-012
 WELL NAME: YOUNG DEEP UNIT #12
 FIELD: YOUNG BONE SPRING NORTH
 CUMULATIVE PRODUCTION:

BO	MCF	BW	GOR
199,199	168,897	1,471,334	848

PRIOR CUMS.	BO/YR	MCF/YR	BW/YR
	0	0	0

	MO. / YR.	BO/MO.	MCF/MO.	BW/MO.	DAYS	GOR	BO/MO TREND
57	Jan-95	1,506	1,317	26,476	31	875	1,421
58	Feb-95	1,326	849	25,397	28	640	1,393
59	Mar-95	1,374	1,392	26,557	31	1,013	1,365
60	Apr-95	1,206	1,331	25,161	29	1,104	1,338
61	May-95	1,033	1,099	22,663	29	1,064	1,311
62	Jun-95	1,240	495	28,151	30	399	1,285
63	Jul-95	1,327	671	30,406	31	506	1,259
64	Aug-95	1,309	436	31,440	31	333	1,234
65	Sep-95	1,352	1,013	30,871	30	749	1,210
66	Oct-95	1,145	1,266	28,448	27	1,106	1,186
67	Nov-95	934	1,013	25,211	23	1,085	1,162
68	Dec-95	1,194	796	32,984	27	667	1,139
69	Jan-96	1,106	1,251	30,613	30	1,131	1,116
70	Feb-96	944	917	34,915	27	971	1,094
71	Mar-96	1,065	725	41,612	31	681	1,072
72	Apr-96	1,051	548	32,712	27	521	1,051
73	May-96	1,046	376	24,241	26	359	1,030
74	Jun-96	1,108	336	27,483	30	303	1,010
75	Jul-96	1,157	261	27,261	30	226	990
76	Aug-96	939	89	13,542	26	95	970
77	Sep-96	982	289	12,733	17	294	951
78	Oct-96	3,961	2,609	498	21	659	932
79	Nov-96	4,893	4,146	115	30	847	913
80	Dec-96					0	895
81	Jan-97						877
82	Feb-97						860
83	Mar-97						843
84	Apr-97						826
85	May-97						809
86	Jun-97						793
87	Jul-97						778
88	Aug-97						762
89	Sep-97						747
90	Oct-97					0	732
91	Nov-97					0	717
92	Dec-97					0	703
93	Jan-98					0	689
94	Feb-98					0	675
95	Mar-98					0	662
96	Apr-98					0	649
97	May-98					0	636
98	Jun-98					0	623
99	Jul-98					0	611
100	Aug-98					0	599
101	Sep-98					0	587
102	Oct-98					0	575
103	Nov-98					0	564
104	Dec-98					0	552
105	Jan-99					0	542
106	Feb-99					0	531
107	Mar-99					0	520

FORCASTED PRODUCTION
 HIGHLIGHTED IN YELLOW
 BASED ON PRIOR
 PRODUCTION DECLINE OF
 24.12%. SEE ATTACHED
 GRAPH IF NEEDED.

YOUNG DEEP UNIT #12

YOUNG BONE SPRING NORTH

24.12% DECLINE
199,199 BO CUMIS

