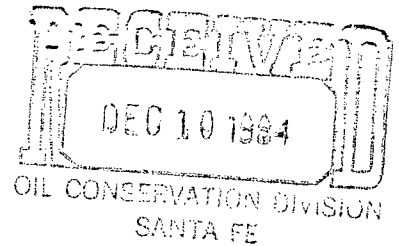




A Subsidiary of  
Union Pacific Corporation

November 29, 1984



New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Re: Request for Downhole Co-Mingle Authority  
Big Eddy Unit Well No. 33  
Eddy County, New Mexico

Gentlemen:

Champlin Petroleum Company, as agent for Perry R. Bass (Operator), respectfully requests authority to downhole co-mingle the Bone Springs and Strawn formations in the Big Eddy Unit Well No. 33 located 660' FSL & 660' FEL of Section 4, Twp. 20-S, Rge. 31E in the Hackberry, South Field, Eddy County, New Mexico.

This well is currently completed as a single oil well in the Wildcat (Bone Springs) Pool through perforations 11,461-1,496'. The Strawn perms are currently isolated below a cast iron bridge plug capped with 35' of cement. It is proposed to drill out this cement and bridge plug and co-mingle these zones downhole.

No current GOR test is available on the Strawn interval. The last test run was on 11-30-83. Attachment No. 1 is a copy of this test. The most recent data available is from Form C-115 for August, 1984 (Attachment No. 2). The daily averages from this form are 8.2 BOPD, 27.3 BWPD, and 87.6 MCFD. Attachment No. 3 is a copy of the C-116 on the Bone Springs Zone.

Attachment No. 4 is a production history plot of the Strawn with projected future production and Attachment No. 5-A is the USGS approved Form 9-331C subsequent notice of operations on the Bone Springs interval. Attachment No. 5-B is the USGS approved Form 9-330 on the Bone Springs. Current production is approximately 5 BOPD, and it is estimated that this rate will continue into the foreseeable future. Based on drillstem tests the estimated bottom-hole pressures for the Strawn and Bone Springs are 4510 psi and 4360 psi respectively.

Attachment No. 6 is a copy of the gravity analysis of the oils from the Bone Springs and the Strawn. No precipitates are formed when these crude oils are mixed. Based on the stated gravities of the two mixtures, Champlin contacted the purchaser for applicable pricing. The purchaser's posted price for crude oils with gravities between 40.9° API and 45.0° API is \$20.00/bbl. Therefore, the total value of the mixture is equal to the value of the individual streams.

Attachment No. 7 is a 1" = 4000' ownership map of the area of the Big Eddy Unit No. 33. None of the immediately offset leases contain producing wells, and in fact, only 2 wells within 2.5 miles produce from the Bone Springs formation. The only other producing wells within 2.5 miles produce from the Delaware Sand above 2500'. Champlin is notifying the USGS of this proposed co-mingle by copies of this letter.

If you have any questions about this application please contact me at (915) 697-4004.

Yours very truly,

CHAMPLIN PETROLEUM COMPANY

*Donald W. Tally, Jr.*

D. W. Tally, Jr.  
Senior Engineer  
DWT:ld

cc: NMOCC - Artesia, NM  
USGS - Carlsbad, NM  
P. R. Bass - Midland, Tx  
W. B. Johnston

*Allocation formula*  
*based on C-116 and C-115*

	<i>Oil</i>	<i>Gas</i>
<i>Bone Springs</i>	<i>11</i>	<i>75.71</i>
<i>Strawn</i>	<i>8.2</i>	<i>87.6</i>
	<i>%</i>	<i>%</i>
	<i>57%</i>	<i>0%</i>
	<i>43%</i>	<i>100%</i>

NEW MEXICO OIL CONSERVATION COMMISSION  
GAS-OIL RATIO TESTS

Call 6  
Revised 1-1-65

Operator  
Perry R. Bass (Champlin Pet. Co., Agency) Hackberry Strawn, South  
County  
Eddy

Address  
Box 2760, Midland, Texas 79702-2760

LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU.FT/BSL
		U	S	T	R							WATER BSL.	GRAV. OIL BSL.	GAS M.C.F.		
Big Eddy Unit	33	P	4	20S	31E	11-30-83	P		20	11	24	40	48.6	12	251	2092/1

RECEIVED  
DEC 07 1983  
CHAMPLIN PETRO. CO.  
WEST TEXAS DIST.

No well will be assigned an allowable greater than the amount of oil produced on the official test.  
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowable when authorized by the Commission.  
Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.  
Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 303 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

*J. J. Murthy, Jr.*  
Signature  
Sr. Production Clerk  
December 6, 1983

WELL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP RNG	WELL STATUS	INJECTION		TOTAL LIQUIDS PRODUCED		GAS PRODUCED (MCF)	DAYS PROD.	DISPOSITION OF GAS		DISPOSITION OF OIL					
		VOLUME	PRESS.	MONTHLY OIL ALLOWABLE	ACTUAL BARRELS OF WATER PRODUCED			SOLD	TRANS-PORTER	OTHER	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS-PORTER	OTHER	OIL ON HAND AT END OF MONTH	
ACKBERRY STRAWN, SOUTH Big Eddy Unit NM 04557 33 P 4 20S 31E F				372	253	847	271 5	31	21 85	PP	530	147	365 PER		35

**STATUS CODE**

F.....FLOWING  
 P.....PUMPING  
 G.....GAS LIFT  
 S.....SHUT IN  
 T.....TEMP ABANDONED  
 I.....INJECTION  
 D.....DISCONTINUED

**"OTHER" GAS DISPOSITION CODE**

X.....USED OFF LEASE  
 D.....USED FOR DRILLING  
 G.....GAS LIFT  
 L.....LOST (MCF ESTIMATED)  
 E.....EXPLANATION ATTACHED  
 R.....REPRESSURING OR  
 PRESSURE MAINTENANCE  
 V.....VENTED  
 U.....USED ON LEASE

**"OTHER" OIL DISPOSITION CODE**

C.....CIRCULATING OIL  
 L.....LOST  
 S.....SEDIMENTATION (B&W)  
 E.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE

R. L. Houtchens (915) 684-5723  
 Senior Production Clerk

(Signature) 9/19/84

C-116  
Revised 1-1-65

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Senior Engineer

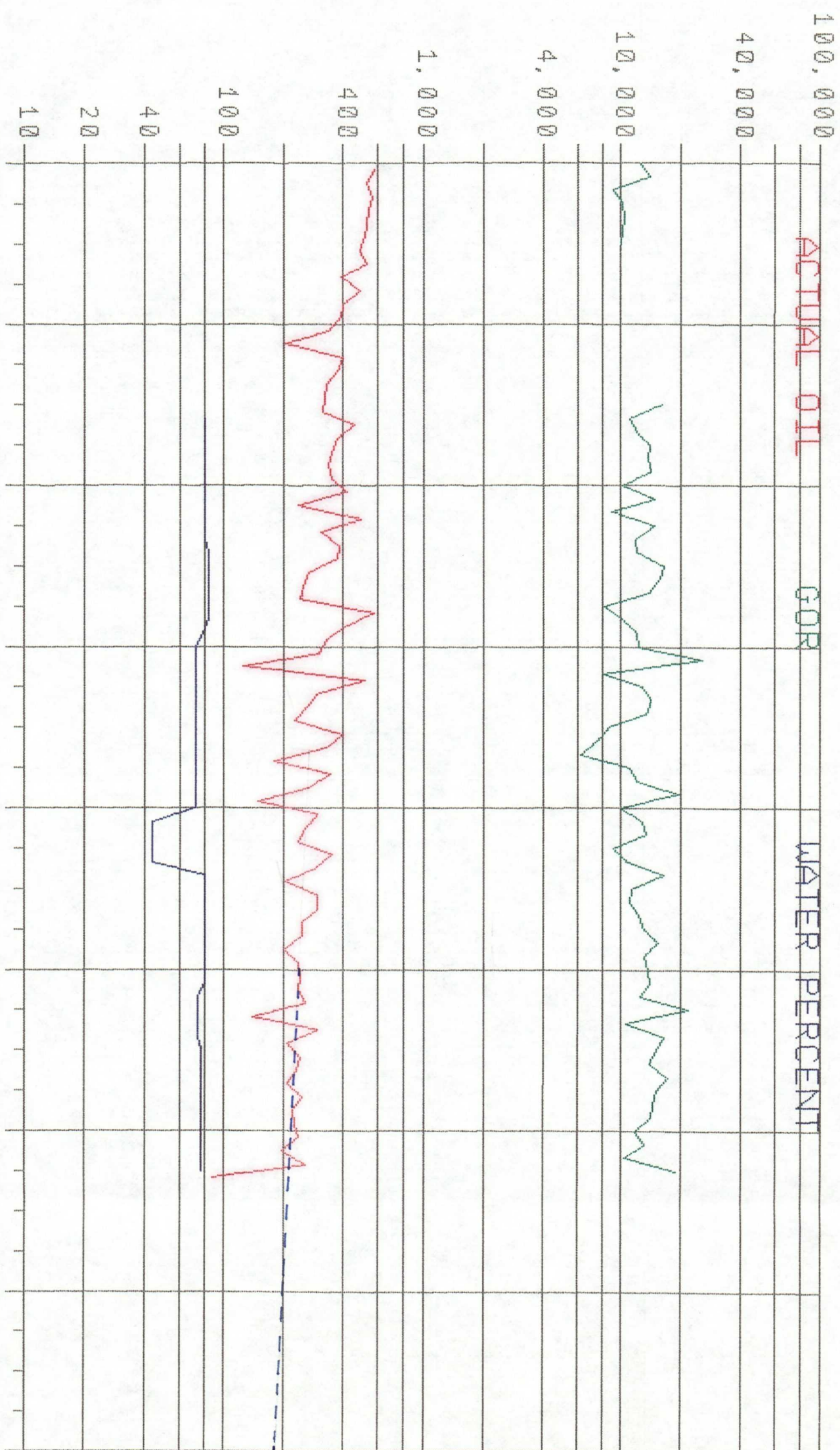
December 5, 1984

Attachment No. 3

(Date)

WELL: 02500-01 BIG EDDY UN 33

RESR: STRAWN



B B L S P E R M O N T H

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR  
Champlin Petroleum Company

3. ADDRESS OF OPERATOR  
P. O. Box 7946, Midland, TX 79708

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 660' FS&EL, Sec. 4, T20S, R31E  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) ☐

SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☒  
☐

5. LEASE  
NM-04557

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Big Eddy Unit

8. FARM OR LEASE NAME  
Big Eddy Unit

9. WELL NO.  
33

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 4, T20S, R31E

12. COUNTY OR PARISH  
Eddy

13. STATE  
NM

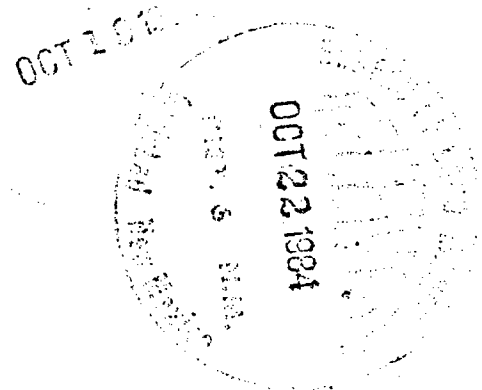
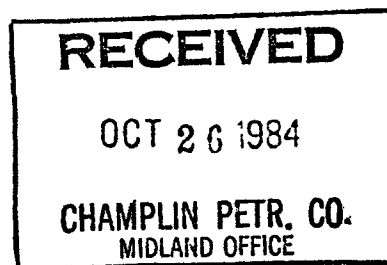
14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
3493 DF: 3494.5 KDB: 3483 WD

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached sheet for details.



Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Donald W. Tally TITLE Sr. Engineer DATE 10/18/84  
ACCEPTED FOR RECORD (This space for Federal or State office use)

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL IF ANY  
OCT 23 1984

Carla

NEW MEXICO

\*See Instructions on Reverse Side

Attachment No. SA

CHAMBERLAIN OILFIELD SERVICE COMPANY  
CHRONOLOGICAL REPORT  
BIG EDDY UN 33

PAGE: 1  
DATE: 10/17/84

HACKBERRY, SOUTH (DEV)  
BIG EDDY UN 33 (02500) AFE # 58634  
CFC 30X/42.25X 09-18-84 IRPT  
(SE/SE 4-205-31E)  
660' FS&EL DAAS(11)  
EDDY COUNTY, NM 09-18-84 C-ON  
PROPOSAL IS TO PLUG BACK AND 09-28-84 C-OF  
RECOMPLETE IN BONE SPRINGS.

09-18-84  
PRTD 11,657'. STRAWN PERFS 11,461' -11,496'. MI & RU DAAS DD CU. POH  
W/RODS AND PUMP. PUMP 60 BBLs 2% KCL WATER DOWN CASING AND 40 BBLs  
DOWN TBG TO KILL WELL. RELEASE TAC & POH W/TBG TO 4400'. SDFN.

09-19-84  
PRTD 11,657'. STRAWN PERFS 11,461' -496'. KILL WELL WITH 100  
BBLs 2% KCL WATER DOWN CAS. POH W/TBG. RIH W/GR & JB ON WL TO  
11,400'. RIH W/5-1/2" CTR ON WL & SET @ 11,400'. DUMP 4 SX CLASS 'C'  
CMT ON CTR @ 11,400' (35' PLUG). NEW PRTD 11,365'. RIH WITH 2-7/8"  
TBG TO 10,029'. HYDROTESTING TO 7000 PSIG. SDFN.

09-20-84  
PRTD 11,365'. DISPL. HOLE WITH 250 BBLs 2% KCL WATER. PRESS. CSG  
TO 1000#. SPOT 250 GALS 10% ACETIC ACID 9934'-9666'. COH W/TBG. SDFN.

09-21-84  
PRTD 11,365'. RIH W/3-7/8" CASING GUN. PERF BONE SPRINGS 9897'-  
9920' 2 HOLES/FT. TOTAL 48 0.38" HOLES. RIH W/MODEL 'R' DOUBLE GRIP  
PKR ON 2-7/8" TBG & SET PKR @ 9786'. PRESS CSG TO 1000# - OK.  
PRESS TBG TO 6000#. COULD NOT PUMP INTO FORM. REL. PKR & LOWER TBG  
TO 9938'. SPOT 5 BBLs 15% DS-30 9938'-9713'. PU TBG & RESET PKR @  
9786'. PRESS TBG TO 5500#. COULD NOT PUMP INTO FORM. REL. PKR &  
PULL 3 STANDS TBG. RESET PKR. PRESS TBG TO 5500#. COULD NOT PUMP  
INTO FORM. REL. PKR & POH W/TBG TO 2980'. SDFN.

09-22-84  
PRTD 11,365 BONE SPRINGS PERFS 9897'-9920'. POH W/TBG. RIH WITH  
3-7/8" CSG GUN & RE-PERF BONE SPRINGS 9897'-9920' 2 HOLES/FT.  
TOTAL 48 0.38" HOLES. RIH WITH MODEL 'R' DOUBLE GRIP PKR ON 2-7/8"  
TBG & SET @ 9762'. R-O ACID WITH 100 BBLs 2% KCL WATER. PRESS CSG  
TO 1000# - OK. PRESS TBG TO 5800#. FORM. BROKE. PUMP 3 BBLs SPOT  
ACID IN FORM. @ 1 BPM & 5500#. ISDP 4800#. SPOT 2000 GALS 15% DS-30  
ACID TO 9700'. PUMP ACID TO FORM. @ 1 BPM & 5500# WITH 7 BBLs IN



CHRONOLOGICAL REPORT  
BIG EDDY UN 33

DATE: 10/17/84

09-22-84 (CONT)

FORMATION HAD 2200# PRESS. BREAK. FINISH TREATMENT @ 3.4 BPM & 3700#. ISDP 2900#, 5" SIP 2900# & 10" SIP 2900#. LACK 114 BLW. DURING TRTMT HAD SLIGHT TBG LEAK ABOVE 5000 PSIG RELEASED PKR & RO WITH 170 BBLS 2% KCL WATER. RESET PKR @ 9762'. NO QH. FL @ SURFACE. SWAB 6 HRS, REC 54 BLW. FL @ 7800'. HAD TRACE OIL & GAS. LACK 60 BLW. SDFN. THIS A.M. SI 6-1/2 HRS, SITP 100 PSIG. SICP 0 - PKR.

09-23-84

PRTD 11,365', BONE SPRINGS PERFS 9897'-9920'. RAN SWAB, FL AT 6900'. SWAB 8 HRS, REC 3 BO & 19 BLW. FL 9500'. LAST 2 HRS, NO FLUID RECOVERY. SDFW.

09-24-84

PRTD 11,365', BONE SPRINGS PERFS 9897'-9920'. SDFW. THIS A.M. SI 39 HRS, SITP 375 PSIG. SICP 0 - PKR.

09-25-84

PRTD 11365' BONE SPRINGS PERFS 9897'-9920'. BLEED OFF PRESSURE IN 30'. RAN SWAB FL @ 5800'. SWAB 3 HRS, REC 4 BO & 13 BLW. SPOT 2000 GALS 15% DS-30 ACID & 190 BS TO BOT. TBG LOADED W/42 BELS AND COMMUNICATED W/SS. REL. PKR & RO ACID W/250 BELS 2% KCL WATER. POH W/60 STANDS TBG. SDFN.

09-26-84

PRTD 11365' BONE SPRINGS PERFS 9897'-9920'. FOH W/TBG. LD MODEL 'R' PKR. FOUND 1 JT OF TUBING COLLAPSED 20 JTS OFF BOTTOM. ROH W/BAKER LOK-SET PKR W/SLICK JT ON TOP W/1.87" TYPE 'F' PN WITH ON-OFF FL SKIRT ON SLICK JT ON TBG. SET PKR @ 9768'. PRESS. CSG TO 2000# - OK. REL. FL SKIRT & SPOTTED 2000 GALS 15% DS-30 ACID & 190 BS TO 9000'. LATCHED ONTO SLICK JT W/FL SKIRT. PUMPED INTO FORM. AT 2.7 BPM & 3250 PSIG. NO BREAK W/ACID ON FORM. TREATED AT 3-1/2 BPM & 3500#. INCR. RATE TO 4 BPM & 3800#. HAD GOOD BALL ACTION. RO TO 4000# WITH 31 BBLS ACID IN FORM. SURGE BALLS. FINISH TREATMENT @ 4 BPM & 3800 PSIG. ISDP 2500#, 5" SIP 2900#, 15" SIP 2900#. AIR 4 BPM. MP 6000#, AP 3800#. LACK 148 BLW. J.C. AT 3 P.M. 9/25/84. REL. FL SKIRT & RO WITH 10 BBLS 2% KCL WATER. LATCHED ONTO SLICK JT W/FL SKIRT. FL @ SURFACE. SWAB 3-1/2 HRS, REC. 37 BLW. FL AT 6600'. LACK 91 BLW. SDFN. THIS A.M. SI 12-1/2 HRS. SITP 225#, SICP 0 - PKR.

09-27-84

PRTD 11365' BONE SPRINGS PERFS 9897'-9920'. BLEED OFF PRESSURE IN 1/4 HR. RAN SWAB FL @ 5300'. 1ST RUN REC 4 BO. SWAB 9 HRS, REC 5 BO & 36 BLW. FSOG. TBG DRY. LAST 2 HRS, NO FLUID RECOVERY. LACK 21 BLW. SDFN. THIS A.M. SI 14 HRS, SITP 190#, SICP 0 - PKR.

09-28-84

PRTD 11365' BONE SPRINGS PERFS 9897'-9920'. BLEED OFF PRESSURE IN 1/4 HR. RAN SWAB, FL 8700'. MADE 2 RUNS. REC 6 BO. LOADED TBG

WILLIAM PETROLEUM COMPANY  
CHRONOLOGICAL REPORT  
BIG EDDY UN 33

PAGE: 13  
DATE: 10/17/84

09-28-84 (CONT)

WITH 60 BBL 2% KCL. REL. PKR AT 9788'. TDH W/TBG & PKR. RIM WITH  
PUMPING BH4 ON 2-7/8" TAG. TAG @ 9717', 2" SN @ 10,031', BOTTOM AT  
10,068' HULL PLUGGED. NO BOP. NO WH. SDFN.

09-29-84

PBTD 11365' BONE SPRINGS PERFS 9897-9920'. RTH W/2-1/2" X 1-1/16"  
2 20' PUMP ON 1", 7/8 & 3/4" RODS. HUNG WELL ON AND STARTED PUMPING AT  
3:30 P.M. 9/28/84. RD & REL CU. LACK 293 BLW. PUMPED 16-1/2 HRS,  
REC 70 BLW. LACK 223 BLW.

09-30-84

PBTD 11365' BONE SPRINGS PERFS 9897-9920'. PUMPED 22 HRS, REC.  
43 BLW. LACK 180 BLW.

10-01-84

PBTD 11365' BONE SPRINGS PERFS 9897-9920'. PUMPED 24 HRS, REC.  
10 BO & 17 BLW. LACK 163 BLW.

10-02-84

PBTD 11365' BONE SPRINGS PERFS 9897-9920'. PUMPED 24 HOURS, REC.  
3 BO & 0 BLW. LACK 163 BLW.

10-03-84

PBTD 11365' BONE SPRINGS PERFS 9897-9920'. WELL NOT PUMPING.  
PULLED AND CHANGED PUMP. HUNG WELL ON & STARTED UNIT. PUMPED 14 HRS,  
REC 26 BLW W/TRACE OF GIL. LACK 137 BLW.

10-04-84

PBTD 11365' BONE SPRINGS PERFS 9897-9920'. PUMPED 24 HRS, REC. 2  
BO & 30 BLW. LACK 107 BLW.

10-05-84

PBTD 11365' BONE SPRINGS PERFS 9897-9920'. PUMPED 24 HOURS, REC  
3 BO & 7 BLW. LACK 100 BLW.

CHRONOLOGICAL REPORT  
BIG EDDY UN 33

PAGE: 4  
DATE: 10/17/84

10-06-84

PRTD 11365' BONE SPRINGS PERFS 9897-9920'. PUMPED 24 HRS, REC. 4  
BO & 0 BLW. LACK 100 BLW.

10-07-84

PRTD 11365' BONE SPRINGS PERFS 9897-9920'. PUMPED 24 HRS, REC.  
2 BO & 0 BLW. LACK 100 BLW.

10-08-84

PRTD 11365' BONE SPRINGS PERFS 9897-9920' PUMPED 24 HOURS, REC.  
4 BO & 0 BLW. LACK 100 BLW.

10-09-84

PRTD 11365' BONE SPRINGS PERFS 9897-9920'. PUMPED 24 HRS, REC. 1  
BO & 0 BLW. LACK 100 BLW.

10-10-84

FINAL REPORT

PRTD 11365' BONE SPRINGS PERFS 9897-9920'. PUMPED 24 HOURS, REC.  
0 BO & 0 BLW. GISM. PUMPING 9 X 86" SP4 674-1716" PUMP. LACK  
100 BLW. SINGLE OIL WELL WITH CAPACITY ALLOWABLE.

RECEIVED BY

OCT 20 1984

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

MAY 1977 EDITION. SUBMIT IN DUPLICATE.

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R3553.

5. LEASE DESIGNATION AND SERIAL NO.

NM-04557

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Big Eddy Unit

8. FARM OR LEASE NAME

Big Eddy Unit

9. WELL NO.

33

10. FIELD AND POOL, OR WILDCAT

Wildcat-Bone Springs

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 4, T20S, R31E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

1a. TYPE OF WELL:

OIL WELL ☒GAS WELL ☐DRY ☐Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☐WORK OVER ☐DEEP-EN ☐PLUG BACK ☒DIFF. RESVR. ☐Other ☐

2. NAME OF OPERATOR

Champlin Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 7946 Midland, TX 79708-0946

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 660' FS&amp;EL Sec. 4, T20S, R31E

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

10-10-84

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

3494.5 RKB

19. ELEV. CASINGHEAD

3483

20. TOTAL DEPTH, MD &amp; TVD

11825

21. PLUG BACK T.D., MD &amp; TVD

11365

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

A11

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

9897-9920 - Seharb Dolomite Bone Springs

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

None this job.

27. WAS WELL CORED

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

9897-9920, 0.38", 48 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9897-9920	250 gal acetic acid
	4000 gal 15% HCl acid

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10-10-84		2-1/2" x 1-1/16" Rod Pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-10-84	24	NA	→	8	ACCEPTED FOR RECORD TSTM	0	--
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
--	--	→	8	TSTM	0	40	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Any gas will be used for fuel.

TEST WITNESSED BY

Phil Hammond (CPC)

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Donald W. Tully

TITLE

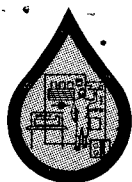
Sr. Engineer

DATE

10/18/84

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

Attachment No. 5B



# WOLF PETRO LAB, INC.

2411 WEST 42ND STREET  
DIAL 915/366-9701

P. O. BOX 9965  
ODESSA, TEXAS 79762

## LABORATORY REPORT

Champlin

Charge Petroleum Co.

Test No. WPL-84-1273

Date of Run 11-6-84

Date Received 11-6-84

A Sample of Crude Oils - Big Eddy #33

Secured from Bone Springs & Strawn Formations

At Eddy County, New Mexico

Secured by Champlin

Purpose \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_

Sampling Conditions: \_\_\_\_\_

### Special Analysis and Tests

1 \_\_\_\_\_ API GRAVITY  
2 \_\_\_\_\_ @ 60° F.

3 \_\_\_\_\_  
4 Bone Springs Formation 40.34

5 \_\_\_\_\_  
6 Strawn Formation 45.01

7 \_\_\_\_\_  
8 8 Strawn/4 Bone Springs 43.34

9 \_\_\_\_\_  
10 8 Strawn/5 Bone Springs 43.17

11 \_\_\_\_\_

12 \_\_\_\_\_

13 \_\_\_\_\_

14 \_\_\_\_\_

15 \_\_\_\_\_

16 \_\_\_\_\_

17 \_\_\_\_\_

18 \_\_\_\_\_

19 \_\_\_\_\_

20 \_\_\_\_\_

21 \_\_\_\_\_

22 \_\_\_\_\_

23 \_\_\_\_\_

24 \_\_\_\_\_

25 \_\_\_\_\_

26 \_\_\_\_\_

27 \_\_\_\_\_

28 \_\_\_\_\_

29 \_\_\_\_\_

30 \_\_\_\_\_

RECEIVED

NOV 8 1984

CHAMPLIN PETR. CO.  
MIDLAND OFFICE

Run by: David Hodgson

Checked by: David

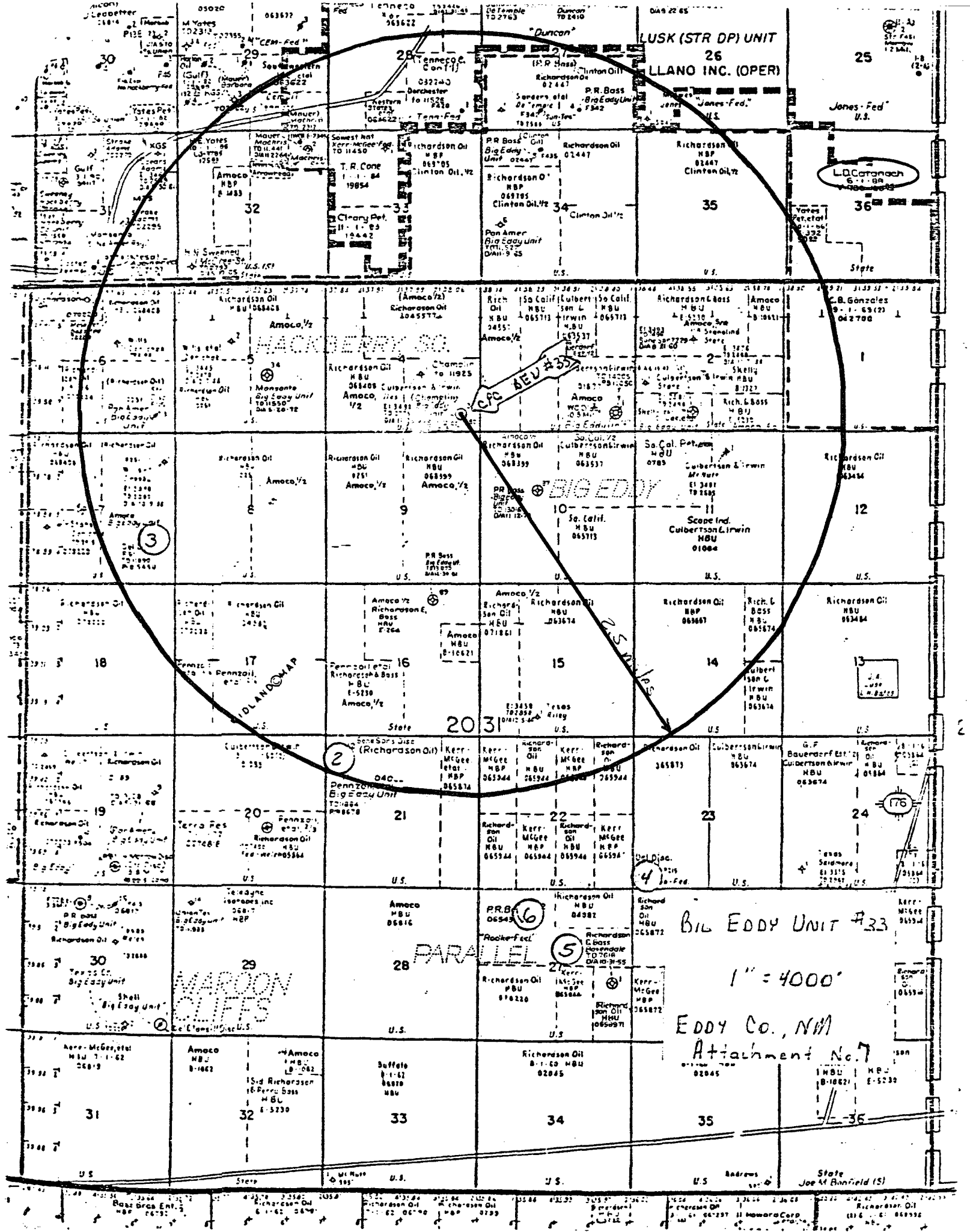
Approved: \_\_\_\_\_

Copies

1-Donald Tally  
P.O. Box 7946  
Midland, Tx. 08

1-File

Attachment No. 6



- ~~(a)~~ Name and address of the operator.
- ~~(b)~~ Lease name, well number, well location, name of the pools to be commingled.
- ~~(c)~~ A plat of the area showing the acreage dedicated to the well and the ownership of all offsetting leases.
- ~~(d)~~ A current (within 30 days) 24-hour productivity test on Division Form C-116 showing the amount of oil, gas, and water produced from each zone.
- ~~(e)~~ A production decline curve for both zones showing that for a period of at least one year a steady rate of decline has been established for each zone which will permit a reasonable allocation of the commingled production to each zone for statistical purposes. (This requirement may be dispensed with in the case of a newly completed or recently completed well which has little or no production history. However, a complete resume of the well's completion history including description of treating, testing, etc., of each zone, and a prognostication of future production from each zone shall be submitted.)
- ~~(f)~~ Estimated bottom-hole pressure for each artificially lifted zone. A current (within 30 days) measured bottom-hole pressure for each zone capable of flowing.
- ~~(g)~~ A description of the fluid characteristics of each zone showing that the fluids will not be incompatible in the well-bore.
- ~~(h)~~ A computation showing that the value of the commingled production will not be less than the sum of the values of the individual streams.
- ~~(i)~~ A formula for the allocation of production to each of the commingled zones and a description of the factors or data used in determining such formula.  
*Consult w/ D. Tally. 12-26-84*
- ~~(j)~~ A statement that all offset operators and, in the case of a well on Federal land, the United States Geological Survey, have been notified in writing of the proposed commingling.