

FILE NOTATIONS

Entered in NID File ..... ✓  
Location Map Pinned ..... ✓  
Card Indexed ..... ✓

Checked by Chief .....  
Approval Letter .....  
Disapproval Letter .....

*PWB*  
*2-8-72*

COMPLETION DATA:

Date Well Completed / *10-31-72* .....

Location Inspected

OW..... ✓ WW..... TA.....

Bond released

GW..... OS..... PA.....

State or Fee I

LOGS FILED

Driller's Log..... ✓

Electric Logs (No.) .....

E..... I..... Dual I Lat..... GR-N..... Micro .....

BHC Sonic GR..... Lat..... MI-L..... Sonic.....

CBLog..... CCLog..... Others.....

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.  
Patented

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

9. Well No.

10. Field and Pool, or Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

SE/4 NE/4 Section 33-  
T 1S-R 3W

12. County or Parrish 13. State

Duchesne Utah

16. No. of acres in lease 17. No. of acres assigned to this well

107.50 640

20. Rotary or cable tools

Rotary

22. Approx. date work will start\*

Soon

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
DRILL  DEEPEN  PLUG BACK

b. Type of Well  
Oil Well  Gas Well  Other  Single Zone  Multiple Zone

2. Name of Operator Shell Oil Company (Rocky Mountain Div. Production)

Chevron Oil Co., Sabine Explor., and King Silver

3. Address of Operator

1700 Broadway, Denver, Colorado 80202

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface 2340' FNL and 660' FEL

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*

One-half miles south of Bluebell

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

\*660'  
300'

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.

No other wells on lease

21. Elevations (Show whether DF, RT, GR, etc.)

6196 GL (Ungraded)

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement

\*From Section Line

As per attached (drilling prognosis) and certified survey plat. (Confidential)

Topographical  
Map - 139-3/139-4

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Signed J.C. Howell Title Division Operations Engineer Date February 4, 1972

(This space for Federal or State office use)

Permit No. 43-20-3095 Approval Date

Approved by..... Title..... Date.....  
Conditions of approval, if any:



# SHELL OIL COMPANY

1700 BROADWAY  
DENVER, COLORADO 80202

February 3, 1972

Subject: Shell-Chevron-Sabine-King  
Silver-Powell 1-33A3  
2340' FNL & 660' FEL  
Section 33-T1S-R3W  
North Uinta Basin  
Duchesne County, Utah

State of Utah  
Department of Natural Resources  
Division of Oil & Gas Conservation  
1588 West North Temple  
Salt Lake City, Utah 84116

Attention Mr. Cleon B. Feight

Gentlemen:

The attached application for a drilling permit for Shell-Chevron-Sabine-King Silver-Powell 1-33A3 specifies a location which does not conform to the order issued in Cause No. 139-4. The exception location requires the least amount of surface excavation and disruption of natural drainage features while maintaining relative conformity with the established spacing pattern.

Shell Oil Company requests approval of this exception location for topographic reasons under the provision of the above order.

Yours very truly,

G. G. Carnahan  
Division Engineering Manager  
Rocky Mountain Division

NWN:jrg

Attachments

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.

**Patented**

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

**Powell**

9. Well No.

**1-33A3**

10. Field and Pool, or Wildcat

**Altamont**

11. Sec., T., R., M., or Blk. and Survey or Area

**SE/4 NE/4 Section 33-  
T 1S-R 3W**

12. County or Parrish 13. State

**Duchesne Utah**

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

2. Name of Operator **Shell Oil Company (Rocky Mountain Div. Production)**

**Chevron Oil Co., Sabine Explor., and King Silver**

3. Address of Operator

**1700 Broadway, Denver, Colorado 80202**

4. Location of Well (Report location clearly and in accordance with any State requirements.\*)

At surface

**2340' FNL and 660' FEL**

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*

**One-half miles south of Bluebell**

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

**\*660'  
300'**

16. No. of acres in lease

**107.50**

17. No. of acres assigned to this well

**640**

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.

**No other wells on lease**

19. Proposed depth

**14,120'**

20. Rotary or cable tools

**Rotary**

21. Elevations (Show whether DF, RT, GR, etc.)

**6196 GL (Ungraded)**

22. Approx. date work will start\*

**Soon**

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement

**\*From Section Line**

**As per attached drilling prognosis and certified survey plat.**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Original Signed By **J. C. HOWELL** Title **Division Operations Engineer** Date **February 4, 1972**

(This space for Federal or State office use)

Permit No. .... Approval Date .....

Approved by ..... Title ..... Date .....

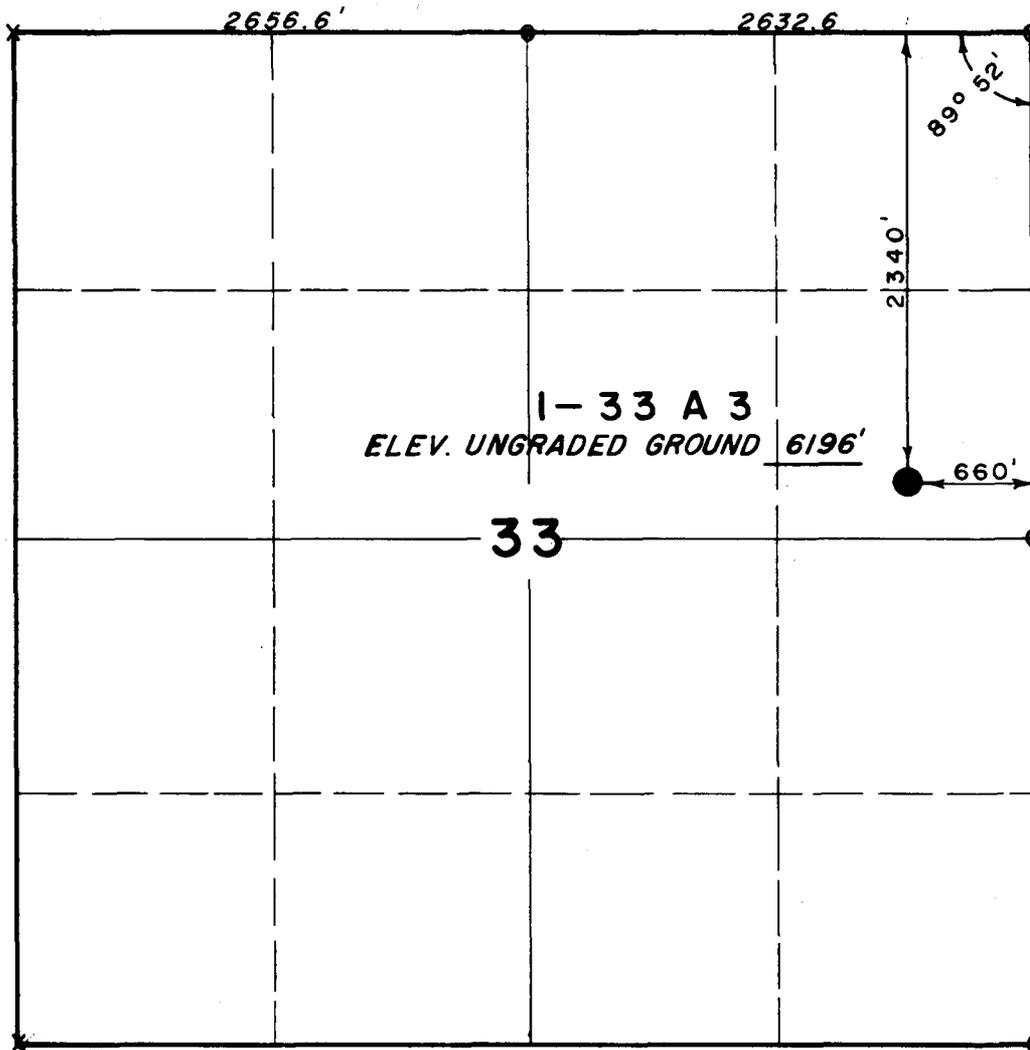
Conditions of approval, if any:

T 1 S, R 3 W, U. S. M.

PROJECT

**SHELL OIL COMPANY**

Well location, 1-33 A 3, located  
as shown in the SE 1/4 NE 1/4  
Sec. 33, T 1 S, R 3 W, U. S. M.,  
Duchesne County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Steve Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

- X = Corners Found (Stone).
- O = Corners Re-established.

UINTAH ENGINEERING & LAND SURVEYING  
P O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 21 January 1972
PARTY G. S., H. M. & D. P.	REFERENCES GLO Plat
WEATHER Cool	FILE Shell Oil Company

February 8, 1972

Shell Oil Company  
1700 Broadway  
Denver, Colorado 80202

Re: Shell-Gulf-Babcock #1-12B4  
Sec. 12, T. 2 S, R. 4 W,  
Shell-Chevron-Sabine-King  
Silver-Powell #1-33A3  
Sec. 33, T. 1 S, R. 3 W,  
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with the topographical exception issued under Cause No. 139-3/139-4.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer  
HOME: 277-2890  
OFFICE: 328-5771 (801)

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation with regard to completing this form will be greatly appreciated.

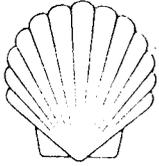
The API numbers assigned to these wells are:

Babcock #1-12B4: 43-013-30104  
Powell #1-33A3: 43-013-30105

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR



# SHELL OIL COMPANY

1700 BROADWAY  
DENVER, COLORADO 80202

June 2, 1972

Mr. Cleon B. Feight, Director  
Utah Oil and Gas Conservation Commission  
1598 W. No. Temple  
Salt Lake City, Utah 84116

Dear Mr. Feight:

This is a request for authorization to commingle treated oil in common storage facilities from two wells in the Altamont Field, Duchesne County, Utah. The two wells are the Shell Et. Al. Powell 1-33A3 and Shell Rust 1-4B3 located as shown on Figure No. 1. The following discussion outlines our proposed system to correctly accomplish commingling and reasons why we are seeking this approval to commingle.

The centralized facility with common tankage for both wells would be located near the currently producing Rust 1-4B3 well site. Figure No. 2 shows the proposed equipment layout at the central facility. The total, untreated effluence from each well flows to individual heater-treaters where the oil, gas and water is separated. The treated oil from the heater-treater will be continuously metered through a Lease Automatic Custody Transfer (LACT) type measuring system prior to flowing into common storage tanks. Tank bottom circulation (treating) from the storage tanks, is to a separate heater-treater to eliminate possible double metering of oil.

The treated oil metering system proposed will utilize several items of equipment currently used by the oil industry for LACT units. Our proposed metering system is shown in Figure No. 3. Treated oil from each lease heater-treater flows through a positive displacement (PD), temperature compensated meter. Samples are taken regularly and stored in a pressurized container for use in determining the average B. S. and W. content and API oil gravity monthly as is the practice in LACT systems. The PD meter will be proved at least every three months by a method in accordance with API Standard 1101. The metering systems for both wells will be identical and operated at approximately the same temperature and pressure. At the end of each month the total of all sales runs from common storage will be allocated back to the individual wells. This allocation will be based on meter readings and corrective meter factors from the two metering systems. We believe this system complies fully with Rule F-1 of the Oil and Gas Conservation Act and will provide a reliable, accurate metering method.

Mr. Cleon B. Feight

2

As you are aware, a number of oil wells are currently being drilled and completed in the Altamont Field which are located on 640 acre spacing. The practice has been to install individual production handling facilities at each well site. This was necessary for early wells since they were widely separated, required high volume testing, and well production characteristics needed to be determined. Now, after several wells have been successfully completed and two years of production experience has been obtained, we are looking at consolidation of production handling facilities. Although consolidation is generally desirable from investment and operating standpoints, the wide well spacing and high pour point oil in this field makes consolidation more difficult. Therefore, any area where investment can be reduced will help the economic feasibility of consolidation. Allowing the commingling of oil into common storage will provide an economic incentive to consolidate facilities since it can reduce the storage capacity needed and therefore reduce investment costs. We plan to consolidate other well facilities where possible and anticipate such centralized facilities serving from 2 to 9 wells. Consolidation will also allow installation of less costly and more efficient stock tank vapor recovery systems, waste water disposal systems, artificial lift systems and gas gathering/residue systems.

We believe the proposed commingling method for the two wells to be an accurate and effective means to permit commingling of treated oil from leases of differing royalty interests. Further, authorization to commingle will offer added incentive to consolidate production systems, thereby reducing both capital and operating costs, which in effect can increase ultimate recovery by allowing a lower economic production rate before abandonment.

We would appreciate your early approval of our request to commingle these two wells as discussed above. Should you have questions concerning this request please contact us, and if you desire, you may call Mr. G. L. Sargent of our Mechanical Engineering Section at Area Code 303, 572-2594.

Yours very truly,

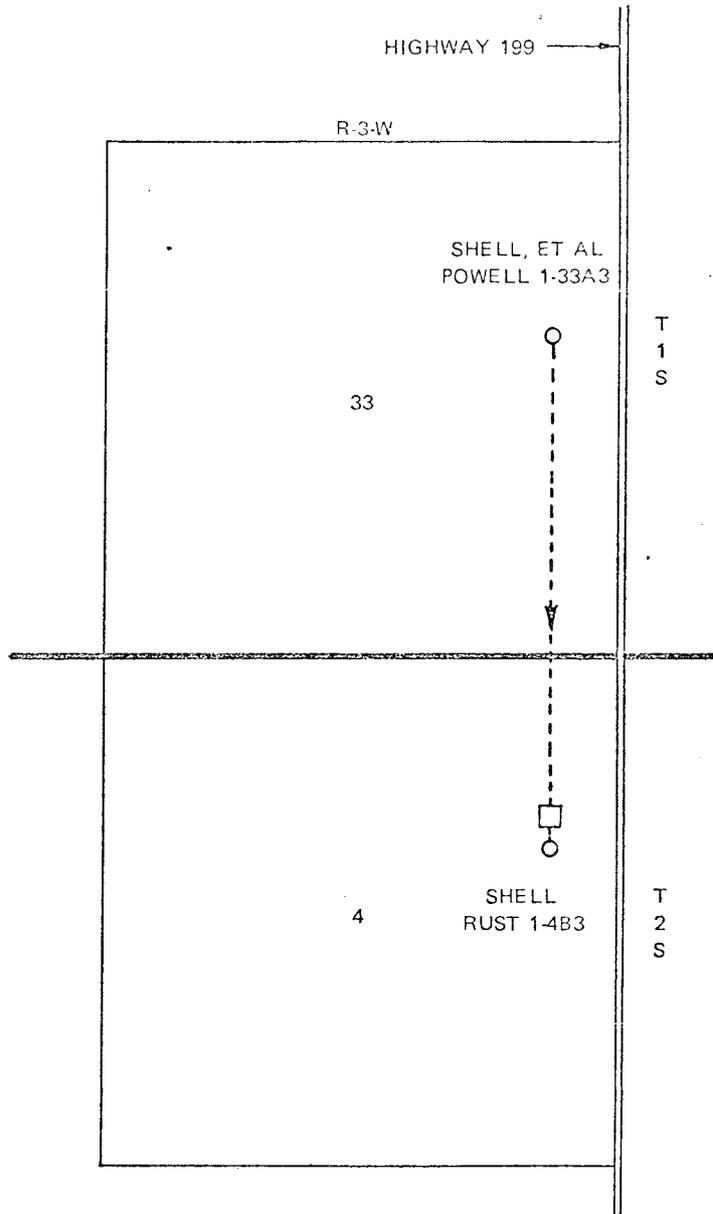


N. J. Isto  
Division Production Manager  
Rocky Mountain Division

GLS:mls

Attachments

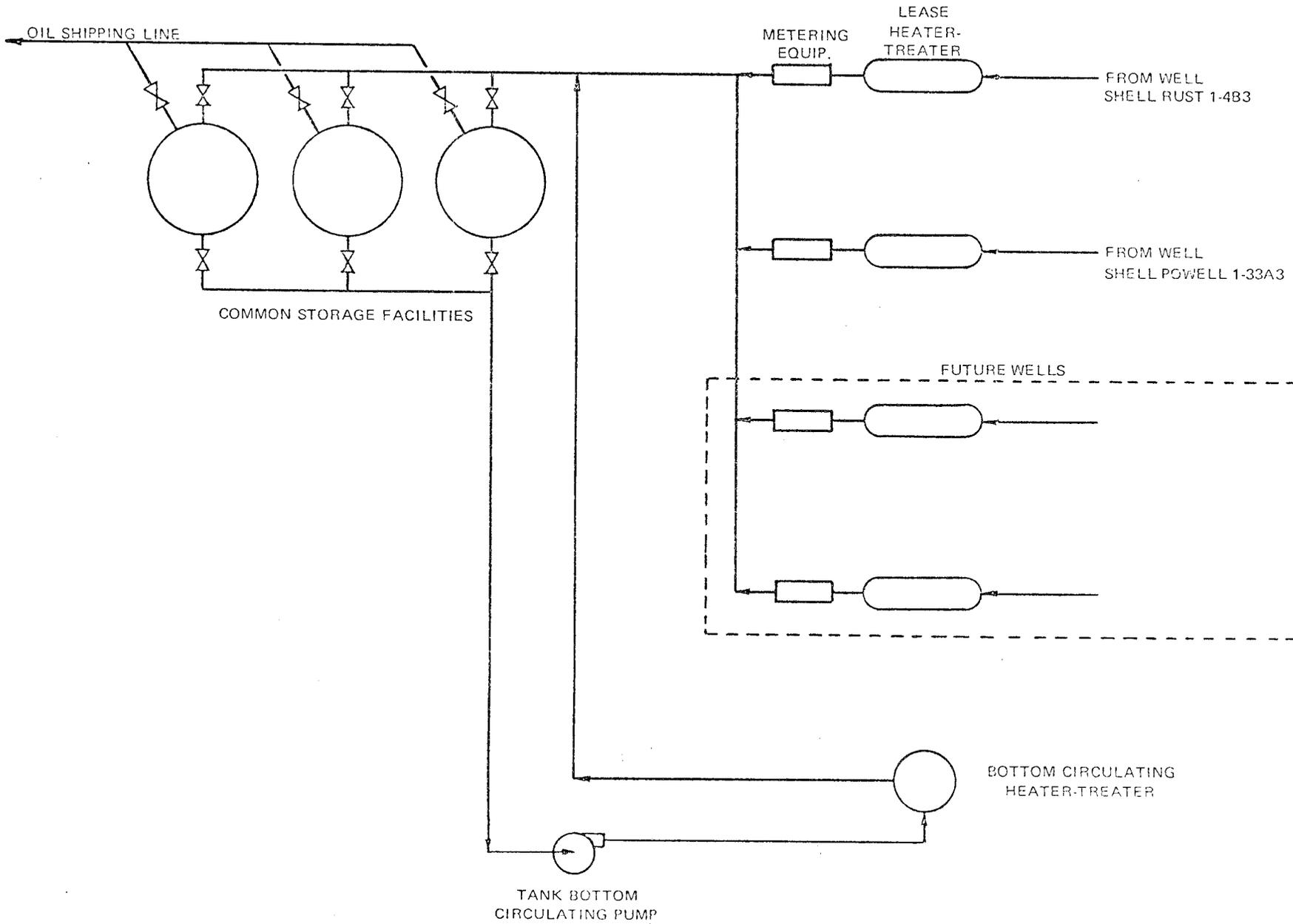
LOCATION PLAT  
CENTRALIZED PRODUCTION FACILITIES  
ALTAMONT FIELD  
DUCHESNE COUNTY, UTAH



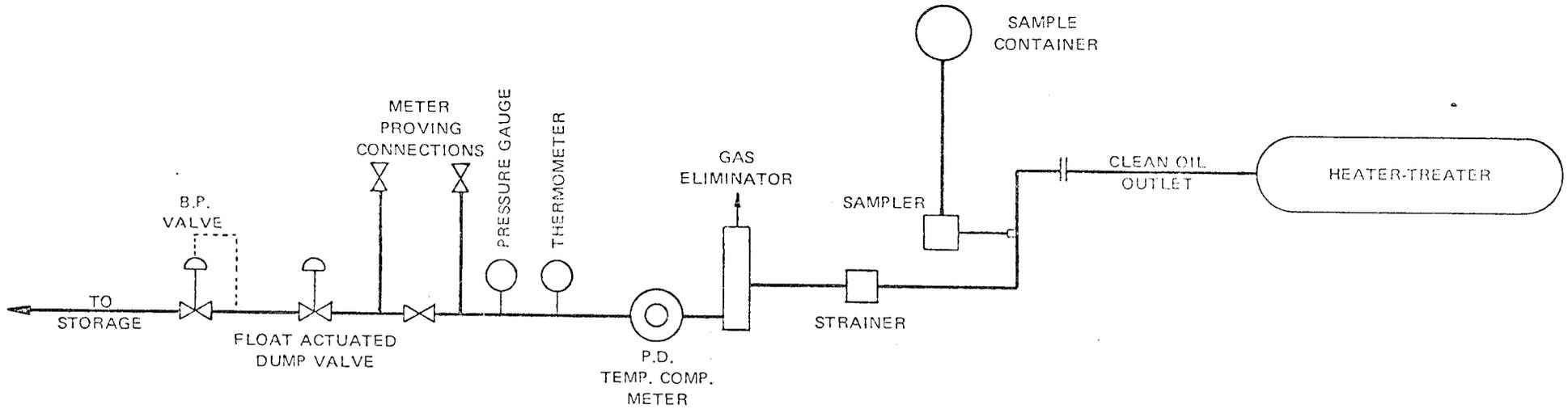
- COMMON BATTERY LOCATION
- PROPOSED FLOWLINE



FLOW DIAGRAM FOR PROPOSED  
CENTRALIZED PRODUCTION FACILITIES  
ALTAMONT FIELD, UTAH



FLOW DIAGRAM  
PROPOSED METERING EQUIPMENT  
CENTRALIZED PRODUCTION FACILITIES  
ALTAMONT FIELD, UTAH



June 6, 1972

Shell Oil Company  
1700 Broadway  
Denver, Colorado 80202

ATTENTION: N.J. Isto, Division Production Manager

Re: ~~Powell~~ 01-33A3  
Sec. 33, T. 1 S, R. 3 W,  
Rust #1-4B3  
Sec. 4, T. 2 S, R. 3 W,  
Duchesne County, Utah

Dear Mr. Isto:

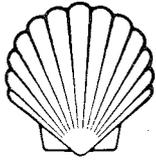
Relative to your letter of June 2, 1972, please be advised that approval to commingle treated oil in common storage facilities from the above referred to wells, is hereby granted.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON E. FLIGHT  
DIRECTOR

CBF:sd



# SHELL OIL COMPANY

1700 BROADWAY  
DENVER, COLORADO 80202

July 7, 1972

Re: Request To Commingle  
Altamont Field  
Duchesne County, Utah

Mr. Cleon B. Feight, Director  
Utah Oil and Gas Conservation Commission  
1588 West No. Temple  
Salt Lake City, Utah 84116

Dear Mr. Feight:

This is a request for authorization to commingle treated oil in common storage facilities from wells in the Altamont Field, Duchesne County, Utah. The wells are the Shell Rust 1-4B3, Shell Powell 1-33A3 and Shell Lottridge Gates 1-3B3 located as shown on Figure No. 1. We have previously received your approval to commingle wells 1-4B3 and 1-33A3 by your letter of June 6, 1972, and this request is to allow the addition of well 1-3B3 to the central commingled battery. The following discussion outlines our proposed system to commingle.

The centralized facility with common tankage for the wells would be located near the Rust 1-4B3 well site. Figure No. 2 shows the proposed equipment layout at the central facility. The total, untreated production from each well flows to individual heater-treaters where the oil, gas and water is separated. The treated oil from the heater-treater will be continuously metered through a Lease Automatic Custody Transfer (LACT) type measuring system prior to flowing into common storage tanks. Tank bottom circulation (treating) from the storage tanks, is to a separate heater-treater to eliminate possible double metering of oil.

Our proposed metering system is shown in Figure No. 3. Treated oil from each lease heater-treater flows through a positive displacement (PD), temperature compensated meter. Samples are taken regularly and stored in a pressurized container for use in determining the average B. S. and W. content and API oil gravity monthly as is the practice in LACT systems. The PD meter will be proved at least every three months by a method in accordance with API Standard 1101. The metering systems for the wells will be identical and operated at approximately the same temperature and pressure. At the end of each month the total of all sales runs from common storage will be allocated back to the individual wells. This allocation will be based on meter readings and corrective meter factors from the metering systems. We believe this system complies fully with Rule F-1 of the Oil and Gas Conservation Act and will provide a reliable, accurate metering method.

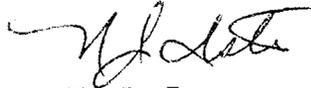
Mr. Cleon B. Feight

2

We believe the proposed commingling method to be an accurate and effective means to permit commingling of treated oil from leases of differing royalty interests. Further, authorization to commingle will offer added incentive to consolidate production systems, thereby reducing both capital and operating costs, which in effect can increase ultimate recovery by allowing a lower economic production rate before abandonment.

We would appreciate your early approval of our request to commingle. Should you have questions concerning this request please contact us, and if you desire, you may call Mr. G. L. Sargent of our Mechanical Engineering Section at Area Code 303, 572-2594.

Yours very truly,

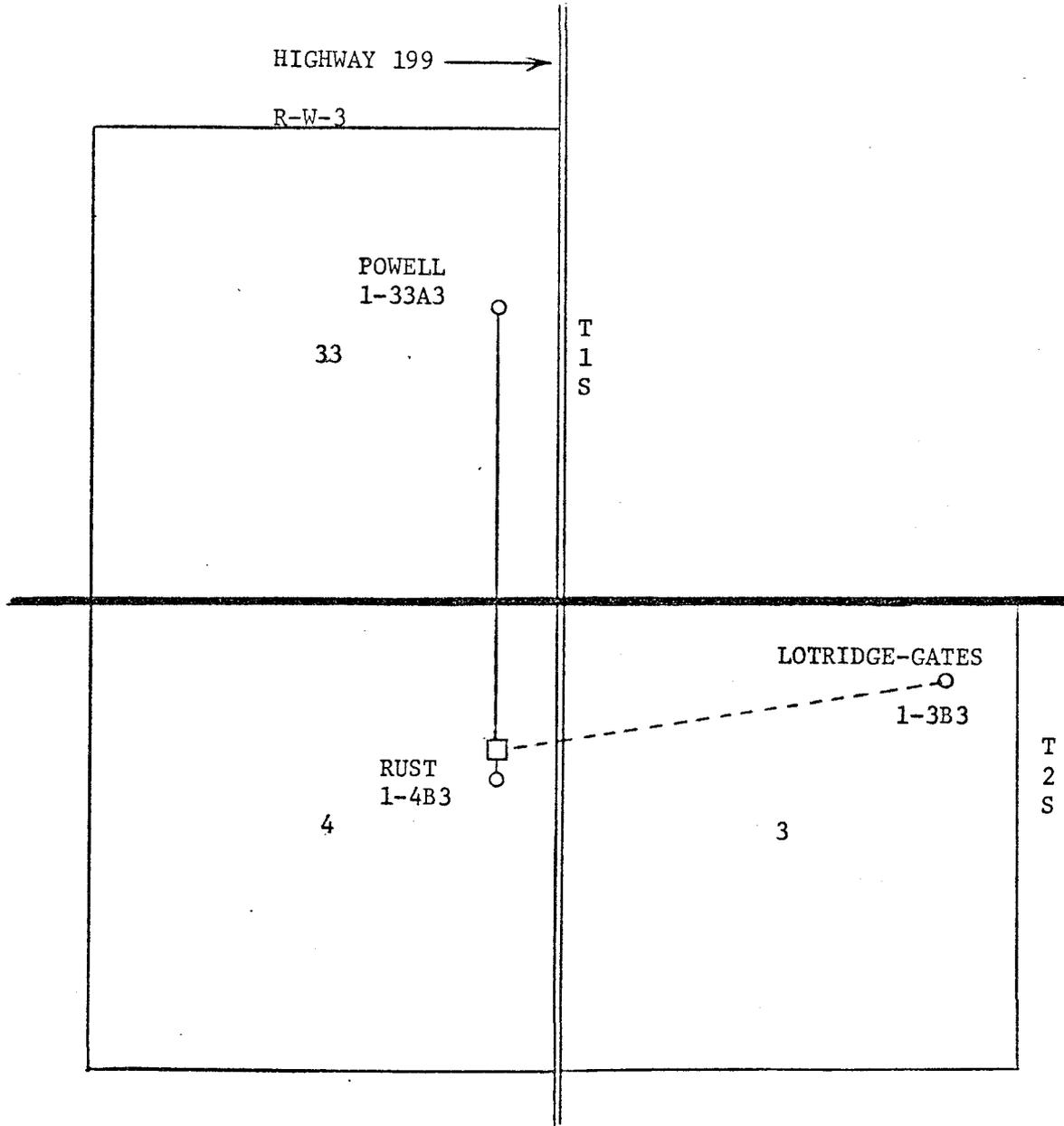


N. J. Isto  
Division Production Manager  
Rocky Mountain Division

GLS:mls

Attachments

LOCATION PLAT  
CENTRALIZED PRODUCTION FACILITIES  
ALTAMONT FIELD  
DUCHESNE COUNTY, UTAH



□ COMMON BATTERY LOCATION

----- PROPOSED FLOWLINE

FLOW DIAGRAM FOR PROPOSED  
CENTRALIZED PRODUCTION FACILITIES  
ALTAMONT FIELD, UTAH

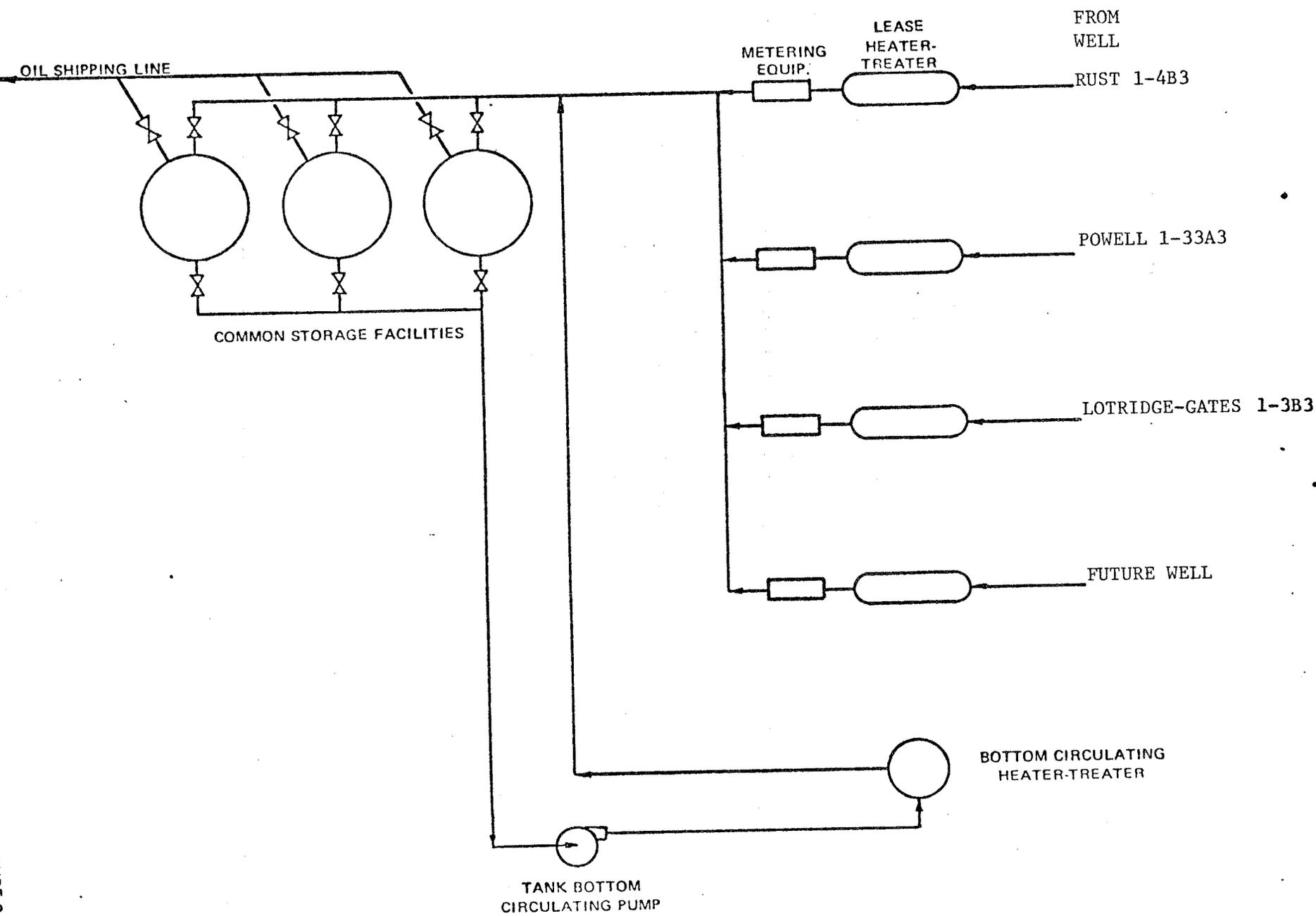
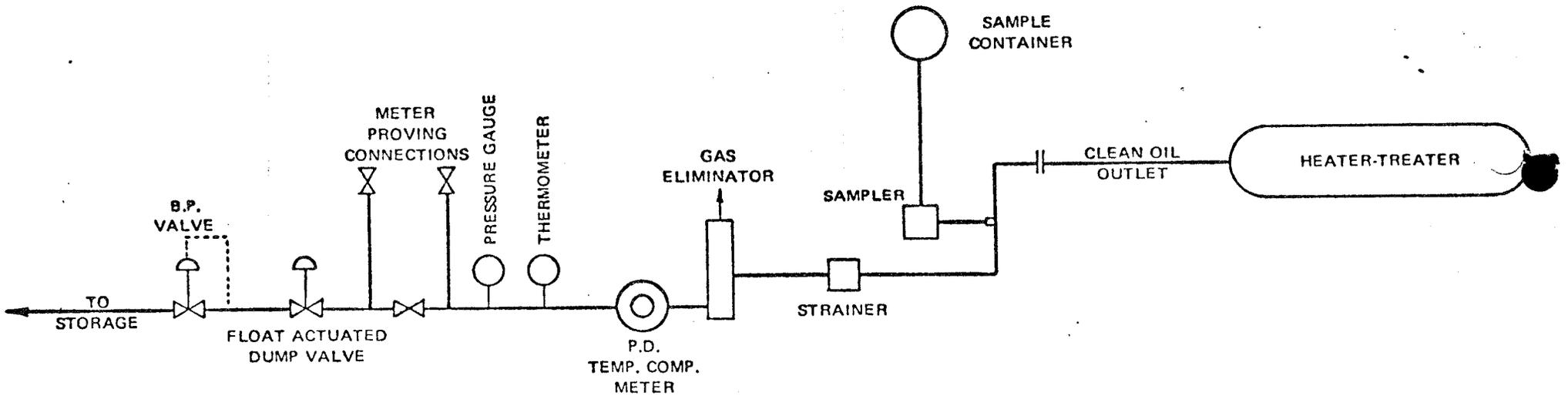


FIGURE 2

FLOW DIAGRAM  
PROPOSED METERING EQUIPMENT  
CENTRALIZED PRODUCTION FACILITIES  
ALTAMONT FIELD, UTAH



July 10, 1972

Shell Oil Company  
1700 Broadway  
Denver, Colorado 80202

ATTENTION: Mr. N.J. Isto, Division Production Manager

Re: Shell-Rust #1-4B3,  
Sec. 4, T. 2 S, R. 3 W,  
~~Shell-Powell #1-33A3,~~  
Sec. 33, T. 1 S, R. 3 W,  
Shell-Gates #1-3B3,  
Sec. 3, T. 2 S, R. 3 W,  
Duchesne County, Utah

Dear Mr. Isto:

Relative to your letter of July 7, 1972, please be advised that approval to commingle treated oil in common storage facilities from the above referred to wells, is hereby granted.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON S. FEIGHT  
DIRECTOR

CBF:sd

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

5. LEASE DESIGNATION AND SERIAL NO.

Patented

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Powell

9. WELL NO.

1-33A3

10. FIELD AND POOL, OR WILDCAT

Altamont

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

SE/4 NE/4 Section 33-  
T 1S-R 3W

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

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 Shell Oil Company (Rocky Mtn Div Production)  
Sabine Explor, King Silver, & Chevron

3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 2340' FNL and 660' FEL Sec 33

At top prod. interval reported below

At total depth

14. PERMIT NO. 43-013-30105 DATE ISSUED 2-7-72

15. DATE SPUDDED 2-11-72 16. DATE T.D. REACHED 7-19-72 17. DATE COMPL. (Ready to prod.) 10-31-72 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 6196 GL, 6222 KB 19. ELEV. CASINGHEAD 26.5'

20. TOTAL DEPTH, MD & TVD 15,140 21. PLUG, BACK T.D., MD & TVD 15,035 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY → Total 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* Wasatch, Flagstaff, & No. Horn Transition perms 11,568-14,993 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, BHCS/GR/w/cal, GNL/FDC, CBL, VDL-PDC 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	68#	315'	17 1/2"	450 SX	0
9 5/8"	47#	6200'	12 1/4"	700 SX	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
7 5/8"	5,992	11,530	750	
5 1/2"	11,334	15,137	814	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
As per attachments	

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
10-31-72	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-20-72	24	30/64"	→	413	460	0	1114

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
660	60	→	413	460	0	44.8°

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used on rig, heater treaters, and remainder flared TEST WITNESSED BY

35. LIST OF ATTACHMENTS Well Log and History, Csg and Cmtg Details

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED K.R. Jordan TITLE Division Operations Engineer DATE March 8, 1973

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS CONSERVATION  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING  
\*\*\*\*\*

Well Name and Number Shell-Sabine Explor.-King Silver-Chevron-Powell 1-33A3

Operator Shell Oil Company

Address Rocky Mountain Division Production  
1700 Broadway, Denver, Colorado 80202

Contractor \_\_\_\_\_

Address \_\_\_\_\_

Location SE 1/4, NE 1/4, Sec. 33, T. 1 N., R. 3 E., Duchesne County.  
S. W.

Water Sands:

<u>Depth:</u>		<u>Volume:</u>	<u>Quality:</u>
From -	To -	Flow Rate or Head -	Fresh or Salty -
1.	NO SDS TESTED OR EVALUATED		
2.			
3.			
4.			
5.			

(Continue on Reverse Side if Necessary)

Formation Tops:

- NOTE: (a) Upon diminishing supply of forms, please inform this office.  
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (see back of this form)  
(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

OIL WELL

SHELL OIL COMPANY-CHEVRON-  
SABINE EXPLOR-KING SILVER-

LEASE  
DIVISION  
COUNTY

POWELL  
ROCKY MOUNTAIN  
DUCHESNE

WELL NO.  
ELEV  
STATE

ALTAMONT  
1-33A3  
6222 KB  
UTAH

FROM: 2-11 - 12-21-72

JAN 18 1973

UTAH

ALTAMONT

Shell-Chevron  
Sabine Explor.-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

"FR" 40A00/1/40. Drlg 17½" hole.  
Located 2340' FNL and 660' FEL  
Section 33-T1S-R3W, Duchesne County, Utah  
Elev: 6196 GL (ungraded)  
14,120' Wasatch Test  
Shell Working Interest - 92.65% FEB 11 1972  
Drilling Contractor - Signal Drlg Co.  
This is a routine development Wasatch Test.  
Spudded 6 a.m. 2/11/72. Mixed mud and drld rat hole.

Shell-Chevron  
Sabine Explor.-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

970/100/4/930. Drilling. Dev: ½° @ 312', 1° at 802.  
On 2/11, repaired swivel.  
On 2/12, ran and cmt 8 jts (317') 68# K-55 ST&C 13 3/8"  
csg at 315' w/450 sx Class "G" cmt, 3% CaCl₂. Started 11:20  
p.m. and complete 12:05 p.m. CIP 12:11 p.m. Full returns.  
Bumped plug w/1200 psi, float held ok. 2 B&W centralizers.  
Howco guide shoe, and insert float collar. WCC. Welded  
BHA and nipples up BOP's, tested to 1,000 psi, ok.  
On 2/13, drld mouse hole. Drld cmt and plug.  
Mud: wtr. FEB 14 1972

Shell-Chevron  
Sabine Explor.-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

1417/100/5/447. Drilling.  
Twisted off 14 jts down. Made trip w/overshot and laid  
down fish. Pulled bit. Pumped down and twisted off;  
fished and rec'd same. Resumed drlg. FEB 15 1972  
Mud: Water.

Shell-Chevron  
Sabine-Explor.-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

2000/100/6/583. Drilling. Dev: 3/4° @ 1618.  
Magnafluxed kelly; pin cracked.  
Mud: wtr. FEB 16 1972

Shell-Chevron  
Sabine-Explor.-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

2540/100/7/540. Drilling. 150# press loss. Worked  
through tight spot - 60' to bottom. Washed to bottom.  
Mud: Wtr. FEB 17 1972

Shell-Chevron  
Sabine-Explor.-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

2955/100/8/415. Drilling. Dev: 3/4° @ 2615. Worked  
kelly out of tight hole and changed out. Circ and cleaned  
mud pits. Repacked swivel.  
Mud: wtr. FEB 18 1972

Shell-Chevron  
Sabine-Explor-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

4120/100/12/1165. Drilling. Dev: 3/4° @ 2960, 1/4° @  
3430 and 3791. On 2/18, tripped in w/bit and BHA. Cut  
100' drlg line, washed and reamed 10' to bottom. On 2/19,  
washed to bottom, on 2/20, tripped for bit @ 3791; washed  
120' to bottom. FEB 22 1972  
Mud: 9.1.

Shell-Chevron  
Sabine-Explor-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

4310/100/13/190. Drilling.  
Mud: 9.1 x 28. FEB 23 1972

Shell-Chevron  
Sabine-Explor-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

4440/100/14/120. Drilling. Dev: 1° @ 4373. Tripped  
for bit - hole tight. Washed to bottom. FEB 24 1972  
Mud: 9.1 x 29.

Shell-Chevron  
Sabine-Explor-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

4576/100/15/136. Tripping in hole.  
Mud: 9.1 x 29. FEB 25 1972

Shell-Chevron  
Sabine-Explor-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

5446/100/18/870. Drilling. Dev: 1-1/4° @ 5364. On  
2/25, made trip in hole and cleaned pits and washed 100'  
to btm.  
Mud: 8.4+ x 29. FEB 28 1972

Shell-Chevron  
Sabine-Explor-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

5641/100/19/195. Drilling. Ran SLM @ 5594 - no correction.  
Unplugged BH DC and changed out stabilizer rubber. Slipped  
and cut 75' drill line. Washed 550' to btm.  
Mud: 8.4 x 28. FEB 29 1972

Shell-Chevron  
Sabine-Explor-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

5971/100/20/330. Drilling. Treated lime w/fresh wtr.  
Added 120 bbl 9.4# x 50 mud to system.  
Mud: 8.7 x 29. MAR 1 1972

Shell-Chevron  
Sabine-Explor-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

6160/100/21/189. Drilling.  
Mud: 9.0 x 42 x 20.8 MAR 2 1972

Shell-Chevron  
Sabine-Explor-King  
Silver  
Powell 1-33A3  
(D) Signal  
14,120' Wasatch Test

6200/100/22/40. Laying down DP. Dev: 1° @ 6200.  
Circ for monel collar. Multi-shot out of hole (90'  
stations). Tripped in hole (10' fill) and circ and  
cond hole for csg. MAR 3 1972  
Mud: 9.2 x 54 x 19.2

Shell-Chevron  
Sabine-Explor-King  
Silver  
Powell 1-33A3  
(D)  
9-5/8" csg @ 6200'

6200/100/25/0.  
3-4: WOC and tearing out hydril. Laid down DP and  
collars. RU and ran 151 jts 9-5/8" 47# LT&C CF-95 csg  
to 6200. Circ hole. Ran and cmtd 250 sx 50:50 poz  
mixed w/2% gel and .4% HR-4 followed by 450 sx Class  
"G" cmt containing 2% salt and .4% HR-4. Displaced  
w/453 bbls wtr. Bumped plug. Float held. CIP 4 AM.  
3-5: Releasing rig. Nippled up and tested 10" 5000#  
Cameron AP spool to 2500 psi, ok. Filled annulus w/wtr  
and pressured up to 400 psi, dropping to 300 psi. Pumped  
300 sx Class "G" cmt w/2% CaCl<sub>2</sub>. Max press 400 psi.  
Released rig 11 AM 3/4/72. MAR 3 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D)  
9-5/8" csg @ 6200'

RDUFA. MAR 7 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D)  
9-5/8" csg @ 6200'

TD 6200. (RRD 3/7/72) Hal cmtd annulus w/approx  
100 sx Class "G" cmt and press to 800 psi, held OK.  
MAR 15 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D)  
9-5/8" csg @ 6200'

TD 6200. RDUFA. MAR 16 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D)  
9-5/8" csg @ 6200'

TD 6200. (RRD 3/16/72) RU to drill rat hole and mouse hole. Tested BOP stack to 5000 psi for 15 min after having several leaks. Chk manifold and stand pipe line would not test. WO parts to repair chk manifold. APR 4 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D)  
9-5/8" csg @ 6200'  
14,120' Wasatch Test

TD 6200. Picking up DP. Drilled mouse hole and rat hole. WO valves and parts for chk manifold. APR 5 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D)  
9-5/8" csg @ 6200'  
14,120' Wasatch Test

TD 6200. Drilling cmt. Picked up DC's and DP. Drld plug and cmt, hitting plug @ 5869, cmt 2' above. WO parts to test chk manifold. APR 6 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
9-5/8" csg @ 6200'  
14,120' Wasatch Test

6245/100/26/45. Tripping in hole w/bit. Drld to 6021' w/DP measurement. Tried to test csg - would not hold. Measured out w/SLM @ 6245'. Ran RTTS tool to 6090'. Press tested csg to 2500 psi for 15 min, held OK. Tested kill lines, chk manifold, stand pipe and lines to 5000 psi, OK. APR 7 1972  
Mud: Wtr.

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
9-5/8" csg @ 6200'  
14,120' Wasatch Test

4/8: 6518/100/26/273. Drilling.  
Mud: Wtr  
4/9: 7020/100/27/502. Drilling. Background gas: 50 units. Started logging 6:30 AM.  
Mud: 8.4 x 27  
4/10: 7523/100/28/503. Drilling. Background gas: 100 units, had 200 units @ 7235'. APR 10 1972  
Mud: 8.3 x 25

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
9-5/8" csg @ 6200'  
14,120' Wasatch Test

7727/100/29/204. Drilling. Laying down singles,  
pulling out of hole @ 7554. Ran BHA and 15 jts  
HW DP. Pulled back and checked stab sleeves for  
tightness. Had 45' fill. Dev: 3 $\frac{1}{4}$ <sup>o</sup> @ 7554.  
Background gas: 40 units. APR 11 1972  
Mud: 8.4 x 26

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
9-5/8" csg @ 6200'  
14,120' Wasatch Test

7988/100/30/261. Tripping in hole w/new bit. Dev:  
4-1/4<sup>o</sup> @ 7988'. Background gas: 45 units.  
Mud: 8.4 x 27 x 400 APR 12 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
9-5/8" csg @ 6200'  
14,120' Wasatch Test

8363/100/31/375. Drilling. Finished tripping in hole  
w/new bit. Circ hole - no fill. Background gas: 50  
units w/200 units @ 8140-8150.  
Mud: 8.4 x 27 APR 13 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
9-5/8" csg @ 6200'  
14,120' Wasatch Test

8520/100/32/157. Drilling. Dev: 4 $\frac{1}{4}$ <sup>o</sup> @ 8395. Worked  
on air line. Circ hole prior to tripping for new bit  
@ 8395. Cut drlg line. Left roller bearings from two  
cones in hole. Ran jk sub and washed 15' to btm.  
Background gas: 150 units. Sand stringers from 8350-  
8575 - gas 250 units. APR 14 1972  
Mud: 8.3 x 27

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
9-5/8" csg @ 6200'  
14,120' Wasatch Test

4/15: 8900/100/33/380. Drilling.  
Mud: 8.4 x 27

4/16: 9170/100/34/270. Drilling. Dev: 6 $\frac{1}{4}$ <sup>o</sup> @ 8924'.  
Circ hole and changed BHA. Background gas: 50-100  
units.

Mud: 8.4 x 27

4/17: 9409/100/35/239. Drilling. Dev: 6 $\frac{1}{4}$ <sup>o</sup> @ 9317'.  
Circ hole prior to tripping for bit. Changed reamer  
and BHA - had 60' fill. Background gas: 60 units.  
Mud: 8.4 x 27 APR 17 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
9-5/8" csg @ 6200'  
14,120' Wasatch Test

9662/100/36/253. Testing BOP's. Tripped for new bit  
@ 9662. Connection gas: 150-200 units; background gas:  
40-60 units.  
Mud: 8.4 x 27 APR 18 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
14,120' Wasatch Test  
9-5/8" csg @ 6200'

9850/100/37/188. Drilling. Tested BOP's, chk manifold and kill line to 5000 psi for 15 min and blind rams to 5000 psi for 5 min. Well flowing. Ran new bit and BHA, circ btms up, w/700 units gas. Mud: 8.6 x 32 x 18.6 APR 19 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
14,120' Wasatch Test  
9-5/8" csg @ 6200'

10,098/100/38/248. Drilling. Mud: 8.7 x 31 x 14.8 APR 20 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
14,120' Wasatch Test  
9-5/8" csg @ 6200'

10,289/100/39/191. Tripping in w/new bit. Dev: 6½° @ 10,289'. Tested upper and lower pipe rams, all wing valves and upper and lower kelly valves to 5000 psi and Hydril to 3000 psi, held OK. APR 21 1972  
Mud: 8.6 x 33 x 18

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
14,120' Wasatch Test  
9-5/8" csg @ 6200'

4/22: 10,495/100/40/206. Drilling. Washed to btm. Had 6 bbl increase @ 10,434 w/1600 units gas on btms up; 1700-3500 units gas from 10,434-10,495. Increased mud wt to 9.1  
Mud: 9.1 x 34 x 16.6 (3% oil)

4/23: 10,743/100/41/138. Drilling. Welded flowline to trip tank. At 10,665', had increase in gas from 70 units to 1800 units w/9.5# mud - no flow. Connection gas: 650 units. Increased mud to 9.7#. Background gas: 100 units.

Mud: 9.7 x 40 x 8.6 (2% oil)

4/24: 10,800/100/42/57. Drilling. Dev: 4½° @ 10,767'. Circ and built mud wt to 9.9 ppg. Mixed slug. Pulled 15 stds - hole quit taking mud. Gained 4 bbls on last 5 stds. Went back to btm w/300 units gas. Cut mud from 9.9 to 9.2. Circ and built mud wt to 10.1 ppg. Strapped out of hole @ 10,767 for bit. Background gas: 125 units. After trip: 420 units.

Mud: (gradient .525) 10.1 x 41 x 8.2 (1% oil) APR 24 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
14,120' Wasath Test  
9-5/8" csg @ 6200'

10,910/100/43/110. Drilling. Drlg break @ 10,791-94. Lost approx 60 bbls mud. Building mud volume. Connection gas: 1800-4000 units, background gas: 800-1600 units. Present background gas: 100 units. Mud: (gradient .572) 11.0 x 39 x 4.6 (12% oil) APR 25 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
14,120' Wasatch Test  
9-5/8" csg @ 6200'

10,978/100/44/68. Drilling. Building mud wt - added sawdust. Well flowed on connection @ 10,930 w/650 units connection gas. Mud wt 11.2 ppg. Lost approx 40 bbls mud. Connection gas @ 10,962 - 300 units. Background gas - 40 units.  
Mud: (gradient .598) 11.5 x 41 x 4.8 (5% oil) APR 26 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
14,120' Wasatch Test  
9-5/8" csg @ 6200'

11,030/100/45/52. Drilling. Adding wt material. Downtime gas @ 10,984: 610 units. Background gas: 135 units w/11.5 mud. Cut mud at flowline to 11.3. Increased mud wt to 11.7 ppg. Connection gas @ 10,994: 290 units. Background gas: 80 units. Losing mud @ 11,008'. Circ w/1000 psi and mixed LCM. Increased pump slowly to 2400 psi. Lost approx 30 bbls last 24 hrs. Present connection gas: 65 units. Background gas: 20 units.  
Mud: (gradient .608) 11.7 x 41 x 4.8 (4% oil) APR 27 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
14,120' Wasatch Test  
9-5/8" csg @ 6200'

11,078/100/46/48. Drilling. Dev: 3° @ 11,033'. Tripped for new bit @ 11,033 and changed out shock sub. Broke circ @ 6200'. Washed 40' to btm. Trip gas: 1600 units. Connection gas: 130 units. Background gas: 70 units.  
Mud: (gradient .608) 11.7 x 41 x 5.2 (4.7% oil) APR 28 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
14,102' Wasatch Test  
9-5/8" csg @ 6200'

4/29: 11,195/100/47/117. Drilling. Losing mud. Circ and mixed LCM @ 1400 psi. Connection gas: 1000 units. Background gas: 500 units. Lost approx 40 bbls mud last 24 hrs.  
Mud: (gradient .608) 11.7 x 41 x 5.6 (5% LCM) (4% oil)  
4/30: 11,282/100/48/87. Drilling. Built mud wt to 12.3 ppg. Connection and background gas w/12.0 ppg mud: 1100-1400 units. Losing mud @ 11,233. Circ w/ 500 psi and added LCM. Lost 65 bbls mud. Present background gas: 300 units; connection gas: 400 units.  
Mud: (gradient .639) 12.3 x 43 x 4.8 (10% LCM) (2% oil)  
5/1: 11,376/100/49/94. Drilling. Losing mud @ 11,293. Circ and added LCM w/1500 psi. Connection gas increased from 400 units to 1500 units w/12.3 ppg mud. Built wt to 12.7 ppg slowly. Background gas w/12.3 ppg: 600 units. Lost approx 50 bbls mud. Present connection gas: 600 units; background gas: 300 units.  
Mud: (gradient .660) 12.7 x 45 x 4.4 (10% LCM) (2% oil) MAY 1 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
14,102' Wasatch Test  
9-5/8" csg @ 6200'

11,409/100/50/33. Pumping LCM. Circ w/1500 psi and pumped LCM pill. Drld and circ @ 11,385'. Made short trip of 15 stds, circ 1500 units gas off btm. Cut mud from 12.7 to 12.2 ppg. Drld w/200 units back-ground gas, losing full returns @ 11,409 (no DP press). Spotted 2 LCM pills on btm; filling hole in annulus. Got mud to sfc. Mud dropped out of sight. Started pumping third LCM pill. Lost approx 700 bbls mud. MAY 2 1972  
Mud: (gradient .640) 12.7 x 46 x 5.8 (25% LCM)

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
14,102' Wasatch Test  
9-5/8" csg @ 6200'

11,409/100/51/0. Pumping LCM pill @ 8520'. Finished pumping LCM slug. Filled hole in annulus and circ thru fill-up line. Pulled 5 stds - had partial returns. Pulled to 9654 w/partial returns. Pulled to 8520 w/partial returns. Mixed and pumped LCM pill to 8520'. Hole remained full w/pump off. Lost approx 400 bbls mud. Background gas: 200-900 units. MAY 3 1972  
Mud: (gradient .660) 12.7 x 44 x 8.4 (20% LCM)

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
14,102' Wasatch Test  
9-5/8" csg @ 6200'

11,409/100/52/0. Circ and cond mud @ 10,260. Finished spotting pill @ 8520. Lost 150 bbls. WO hole to heal. Hole indicates loss circ bridge. Laid down 3 jts w/kelly. Circ and rotated w/partial returns, breaking bridge loose. Circ and cond mud @ 8427 w/full returns. Staged in hole @ 5 std intervals. Circ and cond mud. Background gas: 200-800 units. MAY 4 1972  
Mud: 12.7 x 44 x 6.4 (20% LCM)

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
14,102' Wasatch Test  
9-5/8" csg @ 6200'

11,409/100/53/0. Circ w/partial returns @ 7018'. Staged in hole @ 5 std intervals. Circ w/full returns from 10,260-10,892 w/bridge @ 10,892. Circ and washed w/partial returns from 10,892-11,226, losing complete returns. Pulled to 7018 - no returns. Let hole heal, then circ 3 hrs w/partial returns. Lost 550 bbls mud. Background gas: 200-1200 units. MAY 5 1972  
Mud: 12.7 x 44 x 7.4 (24% LCM)

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
9-5/8" csg @ 6200'

5/6: 11,409/100/54/0. Circ @ 10,720 w/partial returns. Circ 6 hrs @ 7415 w/partial returns. Laid down 4 jts DP. Circ 2 hrs w/partial returns, followed by circ 2 hrs w/full returns. Circ 2 hrs at each of the following intervals: 7944, 8599, 9253 and 9908 w/full returns @ 9908. Circ @ 10,500. Drld out bridge @ 10,700 and circ w/partial returns @ 10,720. Background gas: 40-500 units. Lost 600 bbls mud.

Mud: 12.7 x 52 x 8.4 (14% LCM)

5/7: 11,409/100/55/0. Circ @ 7800. Circ w/partial returns @ 10,720. Slugged pipe. Pulled plugged bit and worked balled up reamers. Laid down stabilizers. Strapped in hole w/new bit. Circ @ 5000' and 7800 w/full returns. Lost 200 bbls mud. Background gas: 40-200 units.

Mud: 12.7 x 42 x 8.6 (8% LCM)

5/8: 11,409/100/56/0. WO well to heal. Lost returns @ 7800'. Pulled 6 stds @ 7200' w/no returns. Pulled 5 stds @ 6700' w/no returns. Pulled 6 stds @ 6000' - unable to circ. Pulled 7 stds @ 5457 w/no returns. Hit bridge @ 6542 w/no returns. Spotted 100 bbl LCM pill @ 6542. Bit balled up. Lost 575 bbls mud.

Mud: (gradient .660) 12.7 x 43 x 8.2 (5% LCM)

MAY 8 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
9-5/8" csg @ 6200'

11,409/100/57/0. Tripping in hole. WO LCM slug. Tried to circ - losing returns. Pulled pipe to 6215. Could not circ. Mixed and pumped 22 bbls ben-gum sqz from 6215-6542. Bit plugged, leaving 12 bbls slurry in DP. Tried to reverse circ w/o success. WO sqz to set. Unplugged DC's and removed jets from bit. Ran in hole to 3160, shaking out LCM and cond mud.

Mud: (gradient .650) 12.5 x 43 x 8.0

MAY 9 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
9-5/8" csg @ 6200'

11,409/100/58/0. Circ and cond mud. While tripping in hole, bit stopped @ 6229. Cleaned hole from 6229-6424. Bridges @ 6486-6517. Staged in hole to 9465, losing approx 30 bbls mud @ 9465. Cut pump press from 950 psi to 800 psi - hole remaining stable. Background gas: 250 units.

Mud: (gradient .650) 12.5 x 43 x 6.8

MAY 10 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
9-5/8" csg @ 6200'

11,409/100/59/0. Pumping ben-gum slug. Cond mud @ 9465, losing full returns. Pulled to 9391 and filled hole in annulus w/hole taking 72 bbls. Hole still taking fluid. Ran temp survey thru DP. Loss appeared to be near btm. Pumped 200 bbls mud in fm. Ran second temp survey w/temp incr below 8200', indicating loss above 8200'. Pulled pipe to 7515. Mixed and pumped ben-gum slurry from 7515-8200 w/no press build up. Lost approx 300 bbls mud.

Mud: (gradient .650) 12.5 x 41 x 8.8

MAY 11 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
9-5/8" csg @ 6200'

11,409/100/60/0. Cond mud @ 9610. WO sqz. Tried to circ. Pulled pipe to 7143 w/partial returns. Mixed and sptd LCM pill - regained full returns. Ran to 7422 and circ. Ran to 8100 and circ. Staged in hole, finding bridge @ 8245. Circ hole and staged to 9610, circ and cond mud w/full returns. MAY 12 1972  
Mud: (gradient .644) 12.4 x 41 x 7.6

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
9-5/8" csg @ 6200'

5/13: 11,415/100/61/6. Drilling. Staged in hole to 9810 and 10,182; circ and cond mud. Staged to 10,218 and 10,593; circ and cond mud. Staged to 10,808 w/bridge from 10,808-10,863; circ hole. Staged to 11,055-11,245 and circ. Singled in w/kelly from 11,245-11,409 and circ btms up. Background gas: 200 units.  
Mud: (gradient .634) 12.2 x 42 x 7

5/14: 11,496/100/62/81. Drilling. Cleaned wt material from suction and repaired same.  
Mud: (gradient .634) 12.2 x 43 x 6.4

5/15: 11,557/100/63/61. Drilling. Lost full returns @ 11,499. Spotted LCM slug w/pipe full to 11,190', getting full returns. Ran to btm and circ. Background gas: 120 units. Connection gas: 450 units. Lost approximately 250 bbls mud last 24 hrs. MAY 15 1972  
Mud: (gradient .634) 12.2 x 43 x 6.2 (10% LCM)

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
9-5/8" csg @ 6200'

11,532/100/64/0. Logging. Circ and mixed slug, circ 2400 units from btm for 5 min. Strapped out of hole to log. Corrected TD 11,557 = 11,532. RU Schl and ran logs as follows: DIL and Sonic-GR from 11,527-6214.  
Mud: (gradient .634) 12.2 x 44 x 6.4 (5% LCM) MAY 16 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
9-5/8" csg @ 6200'

11,532/100/65/0. Tripping out w/multishot. Ran FDC and CNL logs from 11,527-10,000. RD Schl. Went in hole w/monel and RR bit to 6200' and broke circ. Ran to 9000' and broke circ. Ran X-95 DP to replace 2000' of 4-1/8" 16.60# for running liner. Circ @ 11,532 prior to running 7-5/8" liner - had 2650 units gas off btm. Mixed slug and dropped multishot. Background gas: 150 units.  
Mud: (gradient .634) 12.2 x 42 x 6.0 (5% LCM) MAY 17 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

11,532/100/66/0. Laying down 4½" DP. Finished tripping out w/multishot. Ran 152 jts 7-5/8" 39# S-95 SFJ-P liner to 11,530 w/FC @ 11,419 and top of liner w/Burns hanger @ 5992. Lap in 9-5/8" csg = 220'. Circ prior to cmtg. Mixed and pmpd 50 sx 65-35 Pozmix w/6% gel and 2½% D-71 followed by 600 sx Hal Lite w/0.2% D-13R (12.4 ppg slurry wt), followed by 100 sx Class "G" w/0.2% D-8R (15.8 ppg slurry wt). Had full returns while mixing. Lost returns after displacing 188 bbls of 316-bbl displacement. Est fill-up of cmt to 8000'. Pmpd plug @ 2.4 B/M. Press'd hole to 4200 psi before bumping plug @ 3:10 AM, 5/18 w/4500 psi. MAY 18 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

11,532/100/67/0. Tripping out to pick up RTTS to sqz top of liner @ 5992'. WOC 21 hrs. Washed cmt stringers from 5967-5992. Press tested csg to 2000 psi - would not hold. Pumping rate 1.25 B/M @ 1600 psi. Tested all BOP's to 5000 psi and Hydril to 3000 psi, held OK.  
Mud: 12.2 MAY 19 1972

Powell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

5/20: 11,532/100/68/0. Press testing top of liner. Tripped in w/RTTS to 5865. Sqz cmtd top of liner @ 5992 w/300 sx Class "G" w/0.3% D-13, locking up w/2700 psi and all cmt below RTTS. Tripped out and laid down RTTS. WOC 6 hrs. Tripped in w/bit and drld cmt from 5963-5992. Circ and tested top of liner to 2000 psi, held OK.  
Mud: 12.2 x 44 x 5.6

5/21: 11,532/100/69/0. Drlg on shoe @ 11,530. Circ and cond mud. Laid down 53 jts 4½" DP and DC's. Ran 6½" mill, 21 DC's and 172 jts 3½" DP and drld out top of liner @ 5992. Press tested to 2000 psi, held OK. Ran 28 jts 3½" DP to top of cmt @ 11,405. Drld out FC @ 11,418 and press tested to 2000 psi, held OK. Drld out cmt to 11,530.  
Mud: 12.2 x 42 x 5.8

5/22: 11,555/100/70/23. Circ, prep to drill. Finished mill run and tripped for 6½" rock bit, drlg 6 hrs. Tripped for dia bit and BHA. MAY 22 1972  
Mud: 12.2 x 46 x 6

Powell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

11,643/100/71/88. Tripping for new bit. Sptd pill in DP and tripped out - had pump press incr.  
Mud: 12.2 x 43 x 5.6 MAY 23 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

11,696/100/72/53. Tripping for new bit. Bit #13 ringed  
out - looked like iron in hole. Background gas: 10 units;  
connection gas: 55 units; trip gas: 1400 units. MAY 24 1972  
Mud: (gradient .629) 12.1 x 45 x 5.2

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

11,742/100/73/46. Drilling. Finished tripping in hole  
w/new bit. Background gas: 4 units. Trip gas: 600  
units.  
Mud: (gradient .624) 12.0 x 44 x 5.6. MAY 25 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

11,801/100/74/59. Drilling. Background gas: 12 units.  
Connection gas: 75 units. MAY 26 1972  
Mud: (gradient .624) 12.0 x 44 x 5.6

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7 5/8" liner @ 11,530'

5/27 11,859/100/75/58. Tripping for bit.  
Tripped for bit #16 at 11,859. Circ and mixed pill.  
Background gas - 10-12 units, conn gas - 90 units.  
Mud: (.624) 12 x 44 x 5.2 (trc oil).

5/28 11,936/100/76/77. Drilling.  
Picked up dia bit and resumed drlg.  
Background gas - 100 units  
Connection gas - 120 units  
Trip gas - 1100 units  
Mud: (.624) 12 x 43 x 5.2 (trc oil)

5/29 12,020/100/77/84. Drilling.  
Background gas - 120 units  
Connection gas - 300 units  
Mud( .624) 12 x 44 x 5.2 (trc oil)

5/30 12,084/100/78/64. Drilling.  
Background gas - 130 units  
Connection gas - 325 units  
Mud: (.624) 12 x 43 x 4.8 (trc oil)

MAY 30 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7 5/8" liner @ 11,530'

12,159/100/79/75. Drilling.  
Background gas - 530 units  
Connection gas - 800 units  
Mud in - 12.0, out - 11.8  
Built wt to 12.1#  
Mud: (.629) 12.1 x 44 x 4.8 (Oil trc)

Present  
160  
310

MAY 31 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7 5/8" liner @ 11,530'

12,188/100/80/29. Going in hole w/dynadrill.  
Pmpd slug. Pulled out of hole at 12,188. Tested  
Bop's, chk manifold, kill line, blind, lower and  
upper rams, hyd and manual valves, 3 1/2" inside BOP's,  
lower and upper kelly cock, std pipe and kelly base  
to 5000 psi for 15 min each. Tested hydril to 3000  
psi for 15 min. Picked up dynadrill and dia bit.  
Mud: (.634) 12.2 x 44 x 5.0 (Oil trc) JUN 1 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7 5/8" liner @ 11,530'

12,317/100/81/129. Drilling. Drilled w/dynadrill 23  
hours. Circulated 1 hour. Background gas-22 units  
Connected gas-50 units. Trip gas-1200 units. Mud:  
(.634) 12.3 x 44 x 4.8 (Oil trc). JUN 2 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7 5/8" liner @ 11,530'

6/3: 12,400/100/82/83. Tripping.  
Drld 17 3/4 hrs w/dynadrill, made trip, and laid down  
dynadrill.  
Background gas - 20 units.  
Connection gas - 40 units  
Mud: 12.5 x 45 x 4.8 (Oil trc)

6/4: 12,434/100/83/34. Circ out four-bbl kick at 12,434.  
Took 4-bbl kick w/DP press 100, csg 200 - Circ through chk  
w/13.2# mud in and 12# mud out. Checked press on DP - 25  
CP 250. Circ through chk at 12,434; mud wt in - 13.3#  
out - 12.5#. In 2 1/2 hrs, mud wt in 13.4#, out 12.9#.  
Background gas - 2200 units  
Mud: 13.4 x 45 x 4.8 (Oil 3%)

6/5" 12,510/100/84/76. Drilling.  
Op'd hydril and checked flow - ok. Circ and cond gas cut  
mud.

Background gas - 40 units  
Connection gas - 300 units JUN 5 1972  
No mud loss  
Mud: 13.7 x 49 x 4.6 (Oil 2%)

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

12,562/100/85/52. Spotting LCM pill. Tripped for new  
bit @ 12,510. Circ hole and washed to btm. Losing  
mud slowly, losing 30 bbls last 24 hrs. Trip gas:  
2000 units. Connection gas: 300 units. Background  
gas: 50 units. JUN 6 1972  
Mud: 13.8 x 46 x 4.0

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

12,621/100/86/59. Drilling. Sptd LCM pill and circ.  
Tripped for new bit @ 12,584. Circ hole and washed  
to btm. JUN 7 1972  
Mud: 13.9 x 44 x 4.0

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

12,711/100/87/90. Drilling. Lost 30 bbls mud last 24  
hrs. Background gas: 160 units. Connection gas: 280  
units. JUN 8 1972  
Mud: (gradient .733) 14.1 x 43 x 4.8

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

12,782/100/88/71. Drilling. SI well @ 12,751 - had  
8 bbl mud gain. DP press zero, CP 250 psi. Built mud  
wt from 14.2 to 14.6 ppg, then cut to 13.8 ppg. Back-  
ground gas: 95 units. Connection gas: 180 units.  
Mud: (gradient .759) 14.6 x 45 x 4.6 JUN 9 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

6/10: 12,880/100/89/98. Drilling. Lost approx 25 bbls  
mud last 24 hrs. Background gas: 110 units. Connection  
gas: 360 units.

Mud: (gradient .759) 14.6 x 44 x 6.2

6/11: 12,968/100/90/88. Drilling. Background gas: 90  
units. Connection gas: 500 units. Down-time gas: 1200  
units.

Mud: 14.7 x 52 x 5.6

6/12: 13,045/100/91/77. Packing swivel. SI well @  
12,981 - had 6 bbl mud gain. CP 200 psi, DP press zero.  
Had 14.8 ppg mud in DP and 14.7 ppg in annulus. Incr  
mud wt from 14.7 to 15.0 ppg. Background gas from 120-  
2400 units. Cut mud to 12.2 ppg off btm. Circ thru chk  
3 hrs. Presently carrying 10 units background gas and 75  
units connection gas. JUN 12 1972

Mud: (gradient .780) 15.0 x 46 x 5.4

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

13,115/100/92/70. Circ for trip. Hole taking mud.  
Circ and added mica and walnut hulls @ 13,091'. Lost  
approx 50 bbls mud last 24 hrs. Background gas: 30  
units. Connection gas: 50 units.  
Mud: (gradient .780) 15.0 x 49 x 5.4 JUN 13 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

13,125/100/93/10. Drilling. Mixed slug. Tripped for new bit @ 13,115. Tested BOP's, blind rams, hyd valves, outside valves on kill line, chk manifold, panic line, upper and lower rams, chk and kill lines to 5000 psi for 15 min each and Hydril to 3000 psi for 15 min. Tested std pipe, upper and lower kelly, kelly hose and std pipe valve to 4000 psi for 15 min. Ran dia bit, breaking circ @ 5700-10,700'. Picked up 3 1/2" DP and finished tripping in hole.  
Mud: (gradient .780) 15.0 x 49 x 5.5 JUN 14 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

13,136/100/94/11. Mixing LCM slug. Well flowed @ 11,136 - had 7 bbl pit gain. SI w/375 psi on csg and DP. Killing well thru chk w/2 circ. Weighted up from 15.1 to 15.5 on first circ w/wt from 15.5 to 15.7 on 2nd circ. Started losing mud. Added LCM. Mud cut at flowline to 15.3 ppg, then incr to 15.8. Mud cut at flowline to 15.5 - still losing mud. Mixed LCM slug. Background gas: 900 units. Lost approx 200 bbls mud.  
Mud: (gradient .821) 15.8 x 47 x 5.6 JUN 15 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

13,175/100/95/39. Mixing LCM slug. Circ and cond mud and sptd LCM slug, getting full returns. Lost returns while drlg @ 13,175. Lost approx 175 bbls mud last 24 hrs. Background gas: 70 units. Connection gas: 320 units.  
Mud: (gradient .826) 15.9 x 54 x 4.2 (4% LCM) (4% oil) JUN 16 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

6/17: 13,208/100/96/33. Drilling. Mixed and sptd LCM slug @ 13,175 across open hole. Mixed mud volume. Circ w/partial returns. Sptd 2nd LCM slug in open hole and circ w/full returns. Background gas: 20 units. Connection gas: 140 units. Lost 200 bbls mud @ 13,175.  
Mud: 15.9 x 50

6/18: 13,264/100/97/56. Drilling. Background gas: 40 units. Connection gas: 100 units. No mud loss.  
Mud: (gradient .826) 15.9 x 49 x 6.0

6/19: 13,320/100/98/56. Drilling. Background gas: 30 units. Connection gas: 130 units. Lost 30 bbls mud.  
Mud: 15.9 x 46 x 5.8 JUN 19 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

13,378/100/99/58. Drilling. No mud loss. Background gas: 20 units. Connection gas: 60 units.  
Mud: 15.9 x 48 x 4.6 (2% oil) JUN 20 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

13,421/100/100/43. Drilling. Tripped for new bit @ 13,380. Magnafluxed DC's. Picked up 6 DC's and laid down one 7' DC and near bit stab. Washed to btm. No mud loss last 24 hrs. Background gas: 8 units. Connection gas: 40 units. Trip gas: 480 units. Dev: 3/4" @ 13,380'.  
Mud: (gradient .826) 15.9 x 47 x 5.6 (2% oil) JUN 21 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" Liner @ 11,530'

13,512/100/101/91. Tripping for new bit. Background  
gas: 10 units. Connection gas: 22 units. JUN 2 2 1972  
Mud: (gradient .826) 15.9 x 51 x 5.8 (2% oil)

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

13,589/100/102/77. Drilling. Finished tripping in  
hole w/bit #23. Background gas: 10 units. Connection  
gas: 15 units. Trip gas: 100 units.  
Mud: (gradient .826) 15.9 x 47 x 5.6 (4% LCM) (2% oil)  
JUN 2 3 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

6/24: 13,664/100/103/75. Drilling. Lost 30 bbls mud.  
Background gas: 5 units. Connection gas: 10 units.  
Mud: (gradient .826) 15.9 x 49 x 5.2 (2% oil)  
6/25: 13,723/100/104/59. Drilling. Background gas:  
5 units. Connection gas: 10 units. JUN 2 6 1972  
Mud: (gradient .826) 15.9 x 51 x 5.0  
6/26: 13,775/100/105/52. Drilling. Tripped for new  
bit @ 13,732. Broke circ @ 5500, 8500 and 13,732.  
Background gas: 5 units. Trip gas: 45 units.  
Mud: (gradient .826) 15.9 x 52 x 4.8

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

13,884/100/106/109. Mixing and pmpg LCM. Lost full  
returns while drlg @ 13,884'. Mixed and pmpd LCM.  
Pipe stuck @ 13,860 while displacing DP w/LCM slug.  
Displaced OH w/LCM slug, trying to fill annulus. Lost  
approx 300 bbls mud. Background gas: 10 units. Con-  
nection gas: 25 units.  
Note: Had drlg break from 13,826-838 w/90 units gas off  
btm. Drlg break from 13,854-862 w/15 units gas off btm.  
Mud: (gradient .826) 15.9 x 46 x 4.6 JUN 2 7 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

13,884/100/107/0. Working torque out of pipe. Mixed  
and sptd 2nd LCM slug in OH. Cut mud wt in pits to 15.5  
ppg. Pmpd 90 bbls in annulus - could not fill. Filled  
annulus w/40 bbls wtr w/hole staying full. Circ w/partial  
returns. Mixed and sptd 3rd LCM slug after losing full  
returns. Slug set 5 hrs. Tried to circ. WO Dia-log for  
back-off and freepoint. Ran same in hole, finding DC's  
free @ 13,150' (3 DC's down). Worked torque down to  
13,240 and attempted to back off w/no indication of doing  
so. Pulled Dia-log tool to 5400', working torque out of  
pipe. JUN 2 8 1972  
Mud: (gradient .800) 15.4 x 44 x 5.6

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

13,884/100/108/0. Circ and cond mud to 15.5 ppg.  
Worked torque out of pipe. Found back-off @ 13,212'  
(5 DC's down). Could not circ @ top of fish. Pulled  
pipe to 10,700' before regaining circ. Staged in hole,  
cond mud to 15.5 ppg. Started losing mud @ top of fish.  
Pulled pipe to 12,910'. Circ and cond mud. Background  
gas: 20-250 units. JUN 29 1972  
Mud: 15.5 x 46 x 7.6

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

13,884/100/108/0. Jarring on fish. Went in hole to  
top of fish. Circ and mixed mica pill, getting full  
returns. Pulled out of hole, rec 6 DC's. Top of fish  
@ 13,240. Laid down bad DC. Ran fishing tools and 15  
DC's to top of fish. Circ and cond mud. Screwed into  
fish and started jarring on same. Trip gas: 200 units.  
Background gas: 15 units. JUN 30 1972  
Mud: (gradient .806) 15.5 x 45 x 6.6

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

7/1: 13,884/100/109/0. Laying down crooked DP. Jarred  
on fish. Mixed and sptd 12 bbls black magic in annulus  
and 30 bbls in DP. Boosted 2 bbls - DP came free.  
Chained out of hole. Laid down DC's and fishing tools.  
Mud: (gradient .806) 15.5 x 43 x 7.6  
7/2: 13,955/100/110/71. Drilling. Broke circ @ 5900,  
11,500 and 13,300. Circ mud off btm. Background gas:  
10 units. Connection gas: 75 units. JUL 3 1972  
Mud: (gradient .806) 15.5 x 45 x 7.2  
7/3: 14,055/100/111/100. Drilling. Background gas:  
5 units. Connection gas: 8 units.  
Mud: (gradient .806) 15.5 x 46 x 6.4 (2% oil)

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

7/4: 14,160/100/112/105. Drilling. Background gas:  
6 units. Connection gas: 12 units.  
Mud: (gradient .806) 15.5 x 45 x 5.6 (2% oil)  
7/5: 14,266/100/113/106. Drilling. Background gas:  
5 units. Connection gas: 10 units. JUL 5 1972  
Mud: (gradient .806) 15.5 x 44 x 5.6 (2% oil)

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

14,348/100/114/82. WO lost circ. Lost circ while  
drlg @ 14,348 - let hole set 2½ hrs. Pulled up into  
csg. Lost 150 bbls mud. Background gas: 4 units.  
Connection gas: 6 units. JUL 6 1972  
Mud: (gradient .806) 15.5 x 45 x 6.2

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

14,348/100/115/0. Staging back in hole. Allowed hole to heal and kept annulus full. Lost 150 bbls. Pulled 14 stds and hole did not take proper amt of mud. Went back to btm of csg and attempted to circ. Lost returns. Went in hole to 13,200' and mixed 80 bbls LCM. Pmpd and displaced LCM pill. Pulled up to 12,300' and circ out w/full returns. Circ out at 13,050 w/full returns.  
Mud: (.806) 15.5 x 46 x 6.4 (Oil trc) JUL 7 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

7/8: 14,354/100/116/6. Drilling. Staged back in hole to 14,348. Circ and cond mud w/full returns. Tripped for new bit. Tested BOP's. Ran 30 jts DP, breaking circ in 3 stages. Background gas: 50 units. Trip gas: 850 units.  
Mud: (gradient .806) 15.5 x 45 x 6.4 (2% oil)  
7/9: 14,433/100/117/79. Drilling. Background gas: 6 units. Connection gas: 25 units.  
Mud: (gradient .806) 15.5 x 44 x 6.6 (2% oil)  
7/10: 14,517/100/118/84. Drilling. Background gas: 4 units. Connection gas: 10 units.  
Mud: (gradient .806) 15.5 x 46 x 6.8 (2% oil) JUL 10 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

14,569/100/119/52. Pulling out of hole for new bit. Dev: 2 $\frac{1}{2}$ ° @ 14,569. Background gas: 6 units. Connection gas: 20 units.  
Mud: (gradient .806) 15.5 x 53 x 6.4 (2% oil) JUL 11 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

14,624/100/120/55. Drilling. Tripped in hole w/new bit. Circ 1 $\frac{1}{4}$  hrs. Background gas: 5 units. Connection gas: 10 units. Trip gas: 110 units.  
Mud: (gradient .806) 15.5 x 45 x 6.6 (2% oil) JUL 12 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

14,707/100/121/83. Drilling. Background gas: 5 units. Connection gas: 11 units.  
Mud: (gradient .806) 15.5 x 41 x 6.2 JUL 13 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

14,784/100/122/77. Drilling. Background gas: 5 units.  
Connection gas: 10 units.  
Mud: (gradient .806) 15.5 x 43 x 6.0 JUL 14 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

7/15: 14,861/100/123/77. Drilling. Background gas:  
5 units. Connection gas: 10 units.  
Mud: (gradient .806) 15.5 x 42 x 5.6  
7/16: 14,944/100/124/83. Drilling. Background gas:  
5 units. Connection gas: 10 units.  
Mud: (gradient .806) 15.5 x 43 x 5.4  
7/17: 15,011/100/125/67. Drilling. Background gas:  
6 units. Connection gas: 10 units. JUL 17 1972  
Mud: (gradeint .806) 15.5 x 44 x 5.6

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

15,077/100/126/66. Drilling. Background gas: 4 units.  
Connection gas: 10 units.  
Mud: (gradient .806) 15.5 x 44 x 5.3 JUL 18 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

15,139/100/127/62. Drilling. Background gas: 2 units.  
Connection gas: 5 units.  
Mud: (gradient .806) 15.5 x 44 x 5.4 JUL 19 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

15,140/100/128/1. Logging. Circ and cond mud 11 hrs  
prior to logging. Ran BHCS-GR w/cal - tight hole.  
Made SLM (no correction).  
Mud: (gradient .806) 15.5 x 43 x 6 JUL 20 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

15,140/100/129/0. Logging. Made SLM - 15,144 = 15,140,  
no correction. Circ and cond mud 3½ hrs prior to logging;  
having tool failures.  
Mud: (gradient .806) 15.5 x 46 x 5.2 JUL 21 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
7-5/8" liner @ 11,530'

7/22: 15,140/100/130/0. Tripping out to log. Unable to get log due to mechanical failure. WO logging truck 3 hrs. Circ and cond mud 4½ hrs. Trip gas: 30 units.

Mud: (gradient .806) 15.5 x 44 x 5.0

7/23: 15,140/100/131/0. Laying down DP, prep to run 5½" liner. Tripped out w/DP. Ran logs as follows: BHCS-GR (no cal), DIL and CNL/FDC from 11,526-15,140. Ran DP and cond hole for 4½ hrs.

Mud: (gradient .806) 15.5 x 44 x 5.0

7/24: 15,140/100/132/0. Waiting on new liner hanger. Ran 97 jts (3793.35') 5½" SFJ-P Hydril liner and liner hanger and 9.56' tieback sleeve. Could not get lower than 6170' w/liner hanger. Tripped out of hole w/liner assembly; 6½" gauge ring would not fit over liner hanger. JUL 24 1972

Mud: (gradient .806) 15.5 x 44 x 5.0

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
5½" liner @ 15,137'

15,140/100/133/0. WOC. Picked up new liner hanger and ran liner to 15,137, hanging tieback @ 11,340. FC @ 15,052, shoe @ 15,135. Lapped liner 196' into 7-5/8" csg. Cmtd w/814 sx as follows: 617 sx Class "G" cmt containing 1.5% D-31 and 0.4% R-6, followed by 197 sx Class "G" containing 30% silica flour and 1% D-31 and 0.4% R-6. Good returns throughout cmtg. Plug down 8 PM, 7/24. Pulled work string and setting tool. JUL 25 1972

Mud: (gradient .806) 15.5 x 44 x 5.0

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
5½" liner @ 15,137'

15,140/100/134/0. Prep to run 6½" bit and drill cmt. Ran 6½" bit, tagging firm cmt @ 8440. Drld firm cmt to 8480. Ran RTTS to 5945 and tested 7-5/8" liner hanger to 3500 psi for 15 min, OK. Closed pipe rams and tested 9-5/8" annulus to 3500 psi for 15 min, OK. Pulled and reset RTTS @ 3500'. Tested 9-5/8" annulus to 3800 psi for 15 min, OK. Pulled and reset RTTS @ 1500'. Tested annulus to 3000 psi for 15 min, OK.

Mud: (gradient .804) 15.5 x 44 x 5.0 JUL 26 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
5½" liner @ 15,137'

15,140/100/135/0. CO cmt stringers. Tripped for bit. Drld out cmt stringers from 8484-10,836. JUL 27 1972

Mud: (gradient .806) 15.5 x 48 x 6.8

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
5½" liner @ 15,137'

15,140/100/136/0. Laying down work singles out of derrick. CO soft cmt to 11,068. Tested 9-5/8" x 13-3/8" annulus. Annulus filled w/wtr. Picked up 12 DC's and went in hole w/Hal RTTS tool, setting @ 5951. Press tested to 3900 psi for 15 min, OK. Pulled pipe to 3517. Press tested to 4700 psi for 15 min, OK. Pulled pipe to 1522. Press tested to 5500 psi for 15 min, OK. Pulled tool loose. Laid down RTTS tool. Went in hole to 11,068.

Mud: (gradient .806) 15.5 x 51 x 7.2

JUL 28 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
5½" liner @ 15,137'

7/29: 15,140/100/137/0. Tripping in hole to CO 5½" liner. CO 7-5/8" liner from 11,068 to 11,336. Laid down 5" DC's. Started in hole w/3-1/8" collars, 2-7/8" DP w/4-1/2" Servco mill and jk sub.

Mud: (gradient .806) 15.5 x 52 x 6.8

7/30: 15,140/100/138/0. Tripping out w/4½" mill. Drld cmt stringers from 11,336 to 12,445. Ran mill to 15,140 (DP measurement). Did not tag FC. Washed to btm. Circ and cond hole 2 hrs.

Mud: (gradient .806) 15.5 x 52 x 6.8

7/31: 15,140/100/139/0. Tripping out w/RTTS and prep to run cmt ret. Ran 7-5/8" RTTS to 11,320. Pmpd into liner lap and liner @ 2 B/M @ 2000 psi. Ran 5½" RTTS to 11,375 and pmpd into liner @ 1 B/M @ 2200 psi. Had no communication. Pmpd into annulus, testing liner lap, @ 2 B/M @ 1500 psi. Had no communication.

Mud: (gradient .806) 15.5 x 52 x 6.8

JUL 29 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
5½" liner @ 15,137'

15,140/100/140/0. Cond mud prior to sqz'g liner lap. Set cmt ret @ 15,101. Stung into ret w/work string and established rate of 2 B/M @ 3000 psi. Sqzd thru ret @ 15,101 w/120 sx Class "G" cmt containing 30% silica flour, 1.5% D-31 and 0.4% R-6 as follows: Mixed 10 bbls wtr, 120 sx cmt (slurry vol 32 bbls) and 10 bbls wtr. Displaced w/85 bbls mud. Pulled out of ret - mud system out of balance. Pulled 23 stds and reversed out. Ran 7-5/8" RTTS to 11,240. (Max press 3200 psi, avg 2400 psi, ISIP 2200 psi, decr to 1000 psi.)

Mud: (gradient .806) 15.5 x 52 x 6.8

AUG 1 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
5½" liner @ 15,137'

15,140/100/141/0. Tripping out of hole w/bit. Circ and cond mud while WO cmt truck. RU BJ and tested lines to 5000 psi. Set Hal RTTS tool @ 11,136. Established inj rate of 2 B/M w/1250 psi. Sqzd liner lap w/200 sx Class "G" w/1% D-31, pmpg cmt into fm @ 2-¾ B/M w/2000 psi. Cleared tool by 5 cu ft. SD pump and started staging cmt. Final sqz press 2500 psi. Top of cmt @ 11,261. Bled off press. No flow back. Drld soft cmt from 11,261 to 11,340 (top of liner).  
Mud: (gradient .806) 15.5 x 44 x 6.8 AUG 2 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
5½" liner @ 15,137'

15,140/100/142/0. Testing csg. Pulled 6½" bit. Went in hole w/3" DC's, 2-7/8" DP and 4-1/2" mill. Had 3000# drag going into 5½" liner. Had 2' of fill on top of ret. Drld to top of retainer and circ and cond mud. Ran RTTS tool to 11,323 and tested 5-1/2" and 7-5/8" liner w/2400 psi, held OK. Performed inflow test w/10,000' of wtr, held OK. Displaced wtr w/15.5 ppg mud. Tested 7-5/8" x 9-5/8" liner lap w/3000 psi, OK. AUG 3 1972  
Mud: (gradient .806) 15.5

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D) Brinkerhoff #56  
15,200' Wasatch Test  
5½" liner @ 15,137'

15,140/100/143/0. Nippling down BOP's. Finished testing csg and RD Hal and B-J. Tripped in hole w/DP and DC's, laying down same. AUG 4 1972  
Mud: (gradient .806) 15.5

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

15,140/100/144/0. MORT. Nippled down BOP's. Nippled up tbg spool and tree. Released rig 12:00 PM, 8/4/72.  
Mud: (gradient .806) 15.5 AUG 7 1972  
(RDUFA.)

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 14,140. (RRD 8/7/72)  
8/12: RU. MI rig to location on 8/11 and started RU.  
8/13: Prep to circ. Finished RU. Removed Xmas tree. Installed BOP. Started picking up 2-7/8" EUE 8rd N-80 tbg. Ran 3843' of tail and 7-5/8" scraper. Started breaking circ @ 6000' (avg of 2000'). With tail @ 13,060 and scraper @ 9217, tbg plugged - could not circ w/3000 psi. Took 20,000# set-down wt on tbg to go down. Pulled 1200' and broke circ. AUG 14 1972  
8/14: Prep to pull tbg. Circ out 15 ppg mud @ 13,060. Ran and circ hole clean to 15,100'. Had several bridges from 13,060 to 15,100. Pmpd 90 bbls 2% SW on btm.

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 14,140. Logging. Pulled tbg and scraper, laying down 120 jts tbg. RU McC. Ran in hole to 15,060 - had tool trouble. Changed tools and ran back in hole and logged under 3000 psi. Logs would not repeat. Changed tools and reran CBL and VDL-PDC logs. AUG 15 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. Running 5½" heat string. Ran CBL and VDL-PDC logs w/3000 psi from 15,060-9400. Ran 4½" bit and tbg from derrick plus 120 jts from rack to 15,100'. Circ clean. Laid down 120 jts, setting tbg in derrick. RU McC and set Baker Model "D" pkr @ 11,310. RD McC. AUG 16 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. Running tbg and testing. Picked up and ran 132 jts 5½" 14# K-55 ST&C heat string w/tail to 4300'. Installed BP valve, removed BOP's, installed tbg spool and BOP's and changed out rams from 5-1/2 to 2-7/8. Removed BP valve and tested BOP's to 5000 psi. Started running tbg. Found two leaks, one in 10rd thd on tbg tail and one in Baker on-off tool. AUG 17 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. Testing tbg. Set tbg w/Baker on-off tool. Had no leak. Tested w/first Camco mandrel in hole - no leak. Tested w/25 stds in hole. Bled off 400 psi in 5 min. Tbg collar above floor dripped every 1 to 1½ min on factory make-up. Pulled tbg. Pulled all collars and doped w/Baker seals going into hole. Press tested to 7500 psi. Ran in hole to 6500', tagging leak. Bled off 225 psi in 5 min. Pulled and tested every 5 stds. With 20 stds left in hole, tbg held 7500 psi. AUG 18 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3  
(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140.  
8/19: RD&MO Western. Ran into hole, breaking out and redoping collars w/Baker Teflon base lubricant. Latched into pkr. Released from on-off connector, spaced out, latched back on and press'd to 7600 psi. Press dropped to 7000 psi in 1 hr. Apparent tail pipe leak. Displaced FW w/inhib wtr and displaced tbg w/2% NaCl. Installed BP valve. Removed BOP. Installed Xmas tree and press'd to 10,500 psi, OK. Removed BP valve. Ran prod eqmt as follows: 2 jts 10rd tbg w/plug holder, anchor seal assembly, Baker on-off tool, 3 jts 2-7/8" 8rd tbg, KBM mandrel, 186 jts tbg, KBM mandrel, 179 jts tbg, one 10', 8' and 4' sub, 1 jt tbg, top Camco valve @ 5791 and btm valve @ 11,212. AUG 21 1972

8/20: Perforating. SITP 3250 psi. RD&MO Western Oilwell Service. RU Camco and knocked out plug. RD Camco. RU Schl and perf'd following holes w/2" gun using Hyperjet charges: 11,568, 11,641, 11,686, 11,766, 11,821, 11,851, 11,861, 11,875, 11,896, 11,935, 11,953, 11,968, 11,986,

(Continued)

(Continued)

11,997, 12,012, 12,022, 12,056, 12,110. All depths taken from Gamma Neutron log. Starting press 400 psi, ending press 3100 psi. Pulled WL and gun. Pulled into lubricator; pulled out of rope socket. Lost gun and collar locator in hole (total of 42' of tools).

8/21: Running in hole w/overshot #3. Set Schl from 6 AM to 10 AM, prep to go in hole w/run #2. Ran to 9660 - could not go further - apparently gun stuck @ 9660. Pulled out of hole. RU Marshall WL and ran impression block. Pulled out of hole. RU 60' of lubricator to fish. Ran overshot, jarring down - would not go. Sheared off and pulled out of hole. Ran second overshot and jarred - would not come up. Press'd annulus to 4000 psi. Jarred up - would not come. Sheared off fish and pulled out of hole. SITP 3250 psi. AUG 21 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. Prep to perf. Ran in hole w/overshot on WL. Jarred for 1½ hrs, sheared off and pulled out of hole. RD Marshall WL and Schl derrick. MI&RU OWP w/ larger tools. Latched onto fish @ 9670 and jarred fish free - could not move up hole. Ran fish out of tbg and lost it. Fish in hole consists of spent gun 36' x 2" OD, decentralizer 20" x 2" OD, collar locator 18" x 1-11/16" OD w/1-3/8" fishing neck, O'Banion overshot 12" x 1-29/32" OD w/1-3/8" fishing neck looking up. RD OWP. AUG 22 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. Operations suspended. RD OWP. Released Schl. Backed well down w/50 bbls diesel. (RDUFA.)

AUG 23 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. (RRD 8/23/72) Prep to AT OCT 12 1972  
MI&RU Schl on 10/11 and went in hole to perf - could not get below 15,035. Perf'd one hole at each of the following intervals w/2" steel tube carrier gun w/Hyper-jets w/PIP tags: 13,745, 13,805, 13,833, 13,921, 13,978, 13,990, 14,034, 14,119, 14,229, 14,237, 14,258, 14,270, 14,275, 14,279, 14,304, 14,446, 14,573, 14,600, 14,660, 14,684, 14,689, 14,694, 14,760, 14,780, 14,885, 14,917, 14,946, 14,993 (all depths refer to CNL). RD&MO Schl.

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Prep to open to pit. AT gross perfs 11,568-14,993 down tbg w/35,000 gal 15% HCl containing 20# G-5, 3 gal C-15, 3# G-7, 3 gal J-22/1000 gal acid as follows: Press tested all lines to 10,500 psi, OK. Preheated to 95°F. Established inj rate of 3 B/M @ 5500 psi. Started pmpg acid, inj one 7/8" phenolic ball w/sp grav of 1.4 w/each 614 gal acid. Held 3000 psi on csg during job. With 28,800 gal acid and 47 balls on perfs, perfs balled off. Held sfc press @ 10,000 psi for 3 min, bled back for 5 min and SI for 5 min to allow balls to drop. Pmpd remainder of acid @ 9 B/M @ 9500 psi sfc press. Had good ball action before ball-off and fair ball action after bleed-back. Flushed w/7000 gal 90°F FW containing 165# NaCl and 20# G-5/1000 gal FW. Pmpd flush @ 6 B/M @ 9000 psi. Immediate press drop from 9100 to 6100 to 5200 in 15 min. Total load 1000 bbls. Max press 10,000 psi, min 7600 psi, avg 9100 psi. Max rate 11.75 B/M, min 5.75 B/M, avg 9 B/M. Job complete @ 11 AM, 10/12. OCT 13 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035.

10/14: SI for BHP. SITP @ 7 AM, 10/13 4250 psi.

Opened well to pit for 8 hrs to clean up. Last hr well flowed at est rate of 75 BF/H, 90% oil, 10% wtr, w/est 90-95% LW rec. ISIP after flow test 300-700 to 1600 psi in 3 min, to 3600 psi in 30 min. Backed well down w/40 bbls diesel. Final pump press 4800 psi. SI @ 6 PM. OCT 16 1972

10/15: SI for BHP.

10/16: SI for BHP.

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. SI for BHP. OCT 17 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. SI for BHP. Correction to 10/12 report: Perforation @ 14,446 should have been reported at 14,461. OCT 18 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. SI for BHP. OCT 1 9 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. SI for BHP. OCT 2 0 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. SI. Pulled BHP 10/20/72.  
OCT 2 3 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. SI. OCT 2 4 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. SI. OCT 2 5 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. SI. OCT 2 6 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. SI. OCT 27 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. SI. OCT 30 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. SI. OCT 31 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 12-hr test, flowed  
493 BO, 105 BW and 499 MCF gas on 16/64" chk w/3600 psi  
FTP and 90 psi CP. NOV 1 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test,  
flowed 1040 BO, 88 BW and 1357 MCF gas on 20/64"  
chk w/1950 psi FTP and 75 psi CP. NOV 2 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test, flowed  
1280 BO, 76 BW and 1498 MCF gas on 21/64" chk w/1800  
psi FTP and 60 psi CP. NOV 3 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,100' Wasatch Test  
5½" liner at 15,137'

TD 15,140. PB 15,035. Flowing. On various tests,  
flowed as follows:

Date	BO	BW	MCF	CHK	FTP	CP	Test
11-4	1079	20	1278	21/64"	1400	60	24
11-5	815	7	452	21/64"	1500	70	15
11-6	658	0	669	21/64"	1800	60	12

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,100' Wasatch Test  
5½" liner at 15,137'

TD 15,140. PB 15,035. Flowing. On 14-hr test,  
flowed 887 BO, 18 BW, 770 MCF, on 21/64" chk  
w/FTP 1800, CP 60. NOV 7 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,100' Wasatch Test  
5½" liner at 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test,  
flowed 1275 BO, 59 BW, 1242 MCF on 23/64" chk  
w/FTP 1250, CP 60. NOV 8 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,100' Wasatch Test  
5½" liner at 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test,  
flowed 1065 BO, 30 BW, 1435 MCF on 23/64" chk w/  
FTP 1200, 60 CP. NOV 9 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,100' Wasatch Test  
5½" liner at 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test,  
well flowed 957 BO, 46 BW, and 1278 MCF on 23/64"  
chk w/1200 FTP and 0 CP. NOV 10 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,100' Wasatch Test  
5½" liner at 15,137'

TD 15,140. PB 15035. Flowing. On 24-hr tests,  
well flowed as follows:

Date	BO	BW	MCF	CHK	FTP	CP	Test
11-11	957	40	1278	23/64"	1200	0	
11-12	1220	47	1286	"	1100	0	
11-13	895	22	1126	16/64"	1650	0	NOV 13 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,100' Wasatch Test  
5½" liner at 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test,  
well flowed 765 BO, 0 BW and 912 MCF on 16/64"  
chk w/1600 FTP and 0 CP. NOV 14 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner at 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test,  
well flowed 919 BO, 1 BW, and 1259 MCF on  
24/64" chk w/1050 FTP and 0 CP. NOV 15 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test, flowed  
1076 BO, no wtr and 1222 MCF gas on 26/64" chk w/900  
psi FTP and zero CP. NOV 16 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test, flowed  
1061 BO, no wtr and 1087 MCF gas on 26/64" chk w/850  
psi FTP and zero CP. NOV 17 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr tests, well  
flowed as follows: NOV 20 1972

Date	BO	BW	MCF	Chk	FTP	-CP
11/18	1108	0	1280	26/64"	800	0
11/19	816	0	1259	26/64"	700	0
11/20	787	0	1280	30/64"	500	0

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test, flowed  
1032 BO, no wtr and 1164 MCF gas on 30/64" chk w/500  
psi FTP and zero CP. NOV 21 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. SI. On 5-hr test, well flowed  
203 BO, no wtr and 250 MCF gas on 30/64" chk w/500 psi  
FTP and zero CP. NOV 22 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. Well SI 11/23-26.  
On 18-hr test ending 7 AM, 11/27, flowed 750 BO, 2 BW  
and 645 MCF gas on 22/64" chk w/1300 psi FTP and zero  
CP. Correction to 11/20 report: Flowed 1040 BO  
instead of 787 BO. NOV 27 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test, flowed  
1061 BO, 8 BW and 1132 MCF gas on 22/64" chk w/1200 psi  
FTP and zero CP. NOV 28 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 16-hr test, well  
flowed 951 BO, no wtr and 825 MCF gas on 22/64" chk  
w/1200 psi FTP and 90 psi CP. NOV 29 1972

Shell-Chevron-Sabine  
Explor-King Silver  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. No report. NOV 30 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner at 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr tests,  
well flowed as follows:

Date	BO	BW	MCF	CHK	FTP	CP
11-30	783	21	946	22/64"	1100	0
12-1	668	0	354	14/64"	1600	70

DEC 1 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3  
(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr tests, well  
flowed as follows: DEC 8 1972

Date	BO	BW	MCF Gas	Chk	FTP	CP
12/2	544	0	549	14/64"	1700	70
12/3	511	1	555	14/64"	1700	40
12/4	492	0	372	14/64"	1700	40

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3  
(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test, flowed  
490 BO, no wtr and 372 MCF gas on 14/64" chk w/1700 psi  
FTP and 90 psi CP. DEC 5 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3  
(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. SI. On 9-hr test, flowed 181  
BO and no wtr w/125 MCF gas on 16/64" chk w/2500 psi  
FTP and 90 psi CP. DEC 7 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3  
(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 14-hr test, flowed  
356 BO, 1 BW and 327 MCF gas on 16/64" chk w/1500 psi  
FTP and 80 psi CP. DEC 7 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3  
(D)  
15,140' Wasatch Test  
5½" liner at 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test, well  
flowed 577 BO, 3 BW, and 582 MCF on 16/64" chk w/1600  
FTP and 40 CP. DEC 8 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3  
(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr tests, well  
flowed as follows: DEC 11 1972

Date	BO	BW	MCF Gas	Chk	FTP	CP
12/9	602	0	1280	16/64"	1550	40
12/10	552	0	952	16/64"	1500	60
12/11	497	0	482	16/64"	1500	60

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test, well  
flowed 475 BO, no wtr and 397 MCF gas on 16/64" chk w/  
1200 psi FTP and 60 psi CP. DEC 18 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test, flowed  
474 BO, no wtr and 482 MCF gas on 16/64" chk w/1300 psi  
FTP and 60 psi CP. DEC 18 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test, well  
flowed 442 BO, no wtr and 482 MCF gas on 16/64" chk  
w/1100 psi FTP and 70 psi CP. DEC 14 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner at 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test,  
well flowed 567 BO, 2 BW and 446 MCF on 16/64" chk  
w/1200 FTP and 70 CP. DEC 15 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing (flowline plugged).  
On various tests, well flowed as follows:

Date	Hrs	BO	BW	MCF Gas	Chk	FTP	CP
12/16	20	286	0	450	16/64	1200	70
12/17	20	304	0	420	16/64	1600	70
12/18	18	866	1	340	30/64	600	75

DEC 18 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)  
15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 16-hr test, well  
flowed 578 BO, 11 BW and 210 MCF gas on 30/64" chk w/  
800 psi FTP and 70 psi CP. DEC 19 1972

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

Shell-Chevron-Sabine  
Explor-King Silver-  
Powell 1-33A3

(D)

15,140' Wasatch Test  
5½" liner @ 15,137'

TD 15,140. PB 15,035. Flowing. On 24-hr test,  
flowed 335 BO, 3 BW and 470 MCF Gas on 16/64" chk  
w/800 psi FTP and 70 psi CP. DEC 20 1972

TD 15,140. PB 15,035. Flowing. OIL WELL COMPLETE.  
On 24-hr test ending 7 AM, 12/21/72, well flowed  
413 BO, no wtr and 460 MCF gas on 30/64" chk  
w/660 psi FTP and 60 psi CP from the following Wasatch,  
Flagstaff and North Horn Transition perms: 11,568,  
11,641, 11,686, 11,766, 11,821, 11,851, 11,861, 11,875,  
11,896, 11,935, 11,953, 11,968, 11,986, 11,997, 12,012,  
12,022, 12,056, 12,110, 13,745, 13,805, 13,833, 13,921,  
13,978, 13,990, 14,034, 14,119, 14,229, 14,237, 14,258,  
14,270, 14,275, 14,279, 14,304, 14,461, 14,573, 14,600,  
14,660, 14,684, 14,689, 14,694, 14,760, 14,780, 14,885,  
14,917, 14,946, 14,993.

Oil Gravity: 44.8° API @ 60°F.

Test Date: 12/20/72. Initial Prod Date: 10/31/72.

Elev: 6196 GL, 6222 KB

Log Tops: TGR-3	9,954' (-3732)
WASATCH	11,555' (-5333)
LOWER WASATCH TRANSITION	11,875' (-5653)
FLAGSTAFF	12,875' (-6653)
NORTH HORN TRANSITION	14,805' (-8583)

This well was drilled for routine development.

FINAL REPORT. DEC 21 1972

CASING AND CEMENTING

FIELD ALTAMONT WELL POWELL 1-33A3 KB TO CHF 12.00'  
 (1' below  
 GL)  
 Shoe jt started in hole 9:30 AM 2-12-72

Ran 8 jts 68# K-55 ST&C 13 3/8" casing to 315'

<u>JTS</u>	<u>WT</u>	<u>GRADE</u>	<u>ST&amp;C</u>	<u>NEW</u>	<u>FEET</u>	<u>FROM</u>	<u>TO</u>
7	68#	K-55	X	X	278.20	KB	276.00
							HOWCO Insert Float Collar 276.00
1	68#	K-55	X	X	37.81	276.00	313.81
							HOWCO Guide Shoe 1.19 313.81 315.00

(Threadlocked shoe and first jt)  
 8 jts Total (One pc 13.95' returned)  
 (317')

Howco Insert Collar at 276.00

Howco Guide Shoe at 315.00

No., Make and Type

2 B & W centralizers spaced 6' from shoe and 77' from shoe.

Cementing

Broke circ 11 AM. Reciprocated and circ 15 min. With 42 bbls water ahead, cemented through shoe at 315' w/450 sx Class "G" cement, 3% CaCl<sub>2</sub>. Wt. - 15.8-16#/gal. Mixing complete in 25 min. Press: Max, min & avg - 200. Plug down 12:11 PM 2-12-72. Bumped plug w/1200 psi. Bled back 1/2 bbl. Float held ok.

CASING AND CEMENTING

FIELD ALTAMONT WELL POWELL 1-33A3 KB TO CHF 12'

Shoe jt started in hole 4:30 PM 3-3-72

Ran 151 jts 9 5/8" 47# CF-95 LT&C casing to 6200'

<u>JTS</u>	<u>WT</u>	<u>GRADE</u>	<u>LT&amp;C</u>	<u>NEW</u>	<u>FEET</u>	<u>FROM</u>	<u>TO</u>
151	47#	CF-95	X	X	6200	KB	6200'

151 jts Total

Cementing

Halliburton RU and pumped 20 bbls water ahead. Dropped btm plug. Cmt'd w/250 sx 1:1 poz, 2% gel, .4% HR-4, followed by 450 sx Class "G", 2% salt, and .4% HR-4. Dropped top plug. Displaced w/453 BW. Bumped plug w/1900 psi. Float held. CIP 4 AM 3-4-72. After 6 hrs, pumped 300 sx Class "G", 2% CaCl<sub>2</sub> down annulus w/450 psi max.

D. P. MORNEAU

CASING AND CEMENTING

FIELD ALTAMONT WELL POWELL 1-33A3 KB TO CHF 26.50'  
 Shoe jt started in hole 1 PM 5-17-72  
 Ran 152 jts 39# S-95 SFJP 7.5/8" liner to 11,530'

<u>JTS</u>	<u>WT</u>	<u>GRADE</u>	<u>SFJP</u>	<u>NEW</u>	<u>FEET</u>	<u>FROM</u>	<u>TO</u>
	BURNS HANGER				8.17	5992.00	6000.17
149	39#	S-95	X	X	5419.30	6000.17	11,419.47
	BAKER FLOAT COLLAR				1.90	11,419.47	11,421.37
3	39#	S-95	X	X	106.57	11,421.37	11,527.94
	BAKER SHOE				2.30	11,527.94	11,530.24

152 jts Total

Top of liner at 5,992  
 Baker collar at 11,419  
 Baker shoe at 11,530

No., Make and Type

3 centralizers spaced at 11,515, 11,475, and 11,435.

Cementing

Broke circ 10:15 PM w/800. Reciprocated and circ 45 min. With 50 bbls water ahead, cemented through shoe at 11,530. Mixed and pmpd 50 sx 65-35 poz, 6% gel, 2½% D-71, followed by 600 sx Hal lite w/0.2% D-13R (12.4 ppg slurry wt), followed by 100 sx Class "G", .2% D-8R (15.8 ppg slurry wt). Lost returns after displacing 188 bbls of 316 bbls. Pumped 82 bbls when liner wiper plug released. Approx height of cement when returns were lost 5900'. Mixing complete in 80 min. Press-Max 700 psi. Plug down 3:10 AM 5-18-72 w/4500 psi. Bled back 4 bbls. Float held ok.

C. GRADY, JR.

CASING AND CEMENTING

FIELD ALTAMONT WELL POWELL 1-33A3 KB TO CHF 26.50'

Shoe jt started in hole 10:00 AM 7-23-72

Ran 97 jts 5½" SFJP casing liner to 15,137'

<u>JTS</u>	<u>WT</u>	<u>GRADE</u>	<u>SFJP</u>	<u>NEW</u>	<u>FEET</u>	<u>FROM</u>	<u>TO</u>
	B & W liner hanger				9.56	11,334.09	11,343.65
45	20#	S00-95	X	X	1,818.58	11,343.65	13,162.23
52	23#	S00-95	X	X	1,974.77	13,162.23	15,137.00
			Off Bottom		3.00	15,137.00	15,140.00

97 jts (3793.35') Total

B & W Float Collar (1.50') at 15,052.13 (top)

B & W Float Shoe (2.50') at 15,134.50 (top)

No., Make and Type

3 B & W centralizers spaced 5' above shoe and collar and one at 11,234.

Cementing

Broke circ 2 PM w/250 psi. Reciprocated and circ 210 min. With 10 bbls water ahead, cemented through shoe at 15,137' w/617 sx Class "G" cement containing 1.5% D-31 and .4% R-6 followed by 197 sx Class "G" cement containing 30% silica flour and 1% D-31, .4% R-6. Good returns throughout cementing. Plug down 8 PM 7-24-72. Press'd to 900 psi and lost pressure. Released press and bled back 1/4 bbl. Pulled work string w/setting tool. Lapped 5½" liner 196' up into 7 5/8" casing.

K. L. PAYNE

### DRILLING WELL PROGNOSIS

WELL NAME Shell-Chevron-King Sil - Powell 1-33A3  
 TYPE WELL Development  
 FIELD/AREA Altamont, Utah

APPROX. LOCATION (SUBJECT TO SURVEY) 1200' FNL/1200' FEL Section 33-T1S-R3W, Duchesne, Utah

EST. G. L. ELEVATION 6,200 PROJECTED TD 14,120 OBJECTIVE Wasatch

HOLE SIZE	CASING PROGRAM	LOGGING PROGRAMS	MAX DEV.	DEPTHS AND FORMATION TOPS	SPECIAL INSTRUCTIONS
17 1/2	13 3/8			300'	SAMPLES: 30' sfc csg to 7,000' 10' 7,000' to TD
12 1/4	9 5/8	BHC/AC/GR/Cal	1° 1000'	Note# Small rig to set 9 5/8" casing.  TGR-1 5720 (+500) 6200	CORES: 50' @ 12,720' 50' @ 13,220'  DST'S: -0-  DEVIATION CONTROL Dogleg severity to be less than 1 1/2° per any 100' interval.
8 5/8	7 5/8 (hung)	DIL BHC/AC/GR/Cal	1° 1000'	Small rig to 6200' 7000' TGR-2 8220 (-2000) TGR-3 9970 (-3750) Wasatch Trans. 11,420 (-5,200) 12,000'	CEMENT See casing prognosis.  MUD Sfc csg to 9,000' Water 9,000' to 11,000' Water & Gel
6 1/2	5 1/2 (hung)	DIL BHC/AC/GR/Cal	1° 1000'	2 man mud logging Bottom Wasatch Trans 12,720 (-6500)  TD 14,120	11,000' to TD Weighted Gel Chemical  See mud program for details.

ORIGINATOR: LAP DATE 1/6/72

ENGINEERING APPROVAL:

PETROLEUM: \_\_\_\_\_

OPERATIONS: JRS. JKH

OPERATIONS APPROVAL:

J. F. Ferry

DIV. DRILLING SUPT.

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

**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 "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR <b>Shell Oil Company</b></p> <p>3. ADDRESS OF OPERATOR <b>1700 Broadway, Denver, Colorado 80202</b></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>2340' FNL and 660' FEL Section 33</b></p>		<p>5. LEASE DESIGNATION AND SERIAL NO. <b>Patented</b></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME <b>Powell</b></p> <p>9. WELL NO. <b>1-33A3</b></p> <p>10. FIELD AND POOL, OR WILDCAT <b>Altamont</b></p> <p>11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA <b>SE/4 NE/4 Section 33-T1S-R3W</b></p> <p>12. COUNTY OR PARISH <b>Duchesne</b></p> <p>13. STATE <b>Utah</b></p>
<p>14. PERMIT NO. <b>43-013-30105</b></p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>6222 KB</b></p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT & ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

**As per attached prognosis**

**cc: USGS - Salt Lake City (for information)**

APPROVED BY DIVISION OF  
OIL & GAS CONSERVATION

DATE 001 10 11/74

BY [Signature]

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

SIGNED [Signature] TITLE Division Operations Engr. DATE 10/11/74

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

cc: **Chevron, Barber Oil, Altex**

REPERFORATION AND STIMULATION PROGNOSIS

POWELL 1-33A3

SECTION 33-TIS-R3W

DUCHESNE COUNTY, UTAH

PERTINENT DATA:

ELEVATION: 6196'

KB-GL: 26'

TD: 15,137

PBTD: 15,101

TBG & CSG DETAIL: See Attachment

APE NUMBER: 516677

PRESENT STATUS:

Last test on 8/14/74 well flowed 62 BO + 13 BW and 243 MCF gas W/FTP of 400 PSI. The well has 46 existing perforations at the following depths: (Depths refer to CNL/FDC dated 7/22/72).

11,568	11,953	13,833	14,275	14,760
11,641	11,968	13,921	14,279	14,780
11,686	11,986	13,978	14,304	14,885
11,766	11,997	13,990	14,461	14,917
11,821	12,012	14,034	14,573	14,946
11,851	12,022	14,119	14,600	14,993
11,861	12,056	14,229	14,660	
11,875	12,110	14,237	14,684	
11,896	13,745	14,258	14,689	
11,935	13,805	14,270	14,694	

PROPOSED WORK:

Reperforate presently producing sections above M<sub>6</sub> marker and below base of red beds to a shot density of one hole per foot. Open an additional 31 zones with a shot density of one hole per foot and treat the gross perforations with 49,800 gal 15% HCl.

PROCEDURE:

*CHANGE TO 10,000 PSI. TREG.*

1. Cut wax and RU jet perforators Perforate from top down at each of the following depths (depths reference CNL/FDC log dated 7/22/72):

11,896	12,131	12,470	12,906	13,416
11,934	12,132	12,471	12,907	13,422
11,951	12,226	12,549	12,956	13,423
11,952	12,227	12,550	12,957	13,424
11,954	12,310	12,551	13,078	13,508
11,966	12,311	12,552	13,130	13,509
11,967	12,312	12,567	13,131	13,510

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE\*  
(Other instructions on reverse side)

Z  
PI

**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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. NAME OF OPERATOR <u>Shell Oil Company</u> 3. ADDRESS OF OPERATOR <u>1700 Broadway, Denver, Colorado 80202</u> 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>2340' FNL and 660' FEL Section 33</u>		5. LEASE DESIGNATION AND SERIAL NO. <u>Patented</u> 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  7. UNIT AGREEMENT NAME  8. FARM OR LEASE NAME <u>Powell</u> 9. WELL NO. <u>1-33A3</u> 10. FIELD AND POOL, OR WILDCAT <u>Altamont</u> 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>SE/4 NE/4 Section 33-T1S-R3W</u> 12. COUNTY OR PARISH <u>Duchesne</u> 13. STATE <u>Utah</u>
14. PERMIT NO. <u>43-013-30105</u>	15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>6222 KB</u>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

As per attached report

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

SIGNED [Signature] TITLE Division Operations Engr. DATE 12/12/74

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

cc: USGS - Salt Lake City (for information) - w/attachment  
 cc: Chevron  
 Barber Oil  
 Altex

\*See Instructions on Reverse Side

REPERFORATE AND ACIDIZE-  
SHELL OIL COMPANY

ALTAMONT

LEASE	POWELL	WELL NO.	1-33A3
DIVISION	WESTERN	ELEV	6222 KB
COUNTY	DUCHESNE	STATE	UTAH
LOCATION	SE/4 NE/4 SECTION	33-TLS-R3W	

10/30/74 - 11/18/74

UTAH  
ALTAMONT

Shell-Chevron-Barber Oil-  
Altex-Powell 1-33A3  
(RP&AT)

"FR" TD 15,140. PB 15,101. Prep to AT. AFE #516677 provides funds to reperf and acid treat. MI&RU OWP on 10/29/74 and perf'd the following depths unidirectionally w/2" steel, hollow carrier gun decentralized w/magnets at top, middle and btm using Harrison RT charges. All depths refer to CNL/FDC log dated 7/22/72. Run #1: 11,896, 11,934, 11,951, 11,952, 11,954, 11,966, 11,967, 11,969, 11,985, 11,987, 11,995, 11,999, 12,001, 12,008, 12,010, 12,011, 12,013, 12,014, 12,020, 12,021, 12,055, 12,109, 12,130, 12,131, 12,132, 12,226, 12,227, 12,310, 12,311, 12,312, 12,313, 12,314, 12,327, 12,328, 12,329, 12,330, 12,423, 12,424, 12,431, 12,432. Press from 750 to 1500 psi. Run #2: 12,433, 12,434, 12,452, 12,453, 12,454, 12,468, 12,469, 12,470, 12,471, 12,549, 12,550, 12,551, 12,552, 12,567, 12,568, 12,569, 12,570, 12,571, 12,572, 12,573. Press 2800 psi. Run #3: 12,638, 12,639, 12,649, 12,662, 12,663, 12,678, 12,679, 12,699, 12,700, 12,705, 12,706, 12,905, 12,906, 12,907, 12,956, 12,957, 13,078, 13,130, 13,131, 13,132, 13,222, 13,223, 13,236, 13,237, 13,286, 13,287, 13,288, 13,351, 13,352, 13,353, 13,359, 13,360, 13,361, 13,413, 13,414, 13,415, 13,416, 13,422, 13,423, 13,424. Press 2750 psi. Run #4: 13,508, 13,509, 13,510, 13,511, 13,580, 13,581, 13,586, 13,587, 13,588, 13,629, 13,744, 13,803, 13,804, 13,806, 13,807, 13,832, 13,834, 13,835, 13,922. Press 2700 psi. RD OWP. Perf'd total of 119 holes.

OCT 30 1974

Shell-Chevron-Barber Oil-  
Altex-Powell 1-33A3  
(RP&AT)

TD 15,140. PB 15,101. Prep to flow test well. SITP 2600 psi. MI&RU BJ Service and AT gross perf'd interval 11,568-14,993 w/49,800 gal 15% HCl containing 3 gal G-10, 3 gal C-15, 3 gal J-22, 30# OS-160 Wide Range Unibeads, 30# OS-160 Button Unibeads and 3/4\* Iridium 192 radioactive silica flour per 1000 gal acid. The last 17 bbls contained no Unibeads. Pmpd 7 bbls 15% HCl, dropped two 7/8" RCN ball sealers and pmpd 7 bbls acid. Repeated 144 times. Pmpd 142 bbls 15% acid w/o ball sealers. Flushed w/162 bbls prod wtr containing 3 gal G-10/1000 gal. Max press 10,000 psi, avg 8500 psi, min 6200 psi. Max rate 12.5 B/M, avg 7 B/M, min 4 B/M. Final pmpg press 8300 psi. ISIP 5600 psi decr to 4400 psi in 5 min, to 4100 psi in 10 min, to 3900 psi in 15 min, to 3700 psi in 20 min. RD&MO BJ Service. MI&RU OWP and ran GR tracer survey. Log indicated approx 75% of perfs had radioactivity. RD&MO OWP.

OCT 31 1974

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Flowing to tank battery. SITP  
 Altex-Powell 1-33A3 3540 psi. Opened well to pit for 2 hrs on 30/64" chk,  
 (RP&AT) flwg est 2000 BO/D rate w/avg FTP of 2200 psi. SI well  
 and changed Xmas tree. Installed 5000 psi working press  
 tree. Turned well to tank battery on 12/64" chk w/4600  
 psi FTP. NOV 1 1974

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Flowing. On various tests,  
 Altex-Powell 1-33A3 well flwd as follows:  
 (RP&AT)

Rpt Date	Hrs	BO	BW	MCF Gas	Chk	FTP
11/2	19	1073	2	1395	12/64"	4500
11/3	24	1181	1	1825	12/64"	4350
11/4	24	1358	20	1697	14/64"	4200

NOV 4 1974

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Flowing. On 24-hr test, flwd  
 Altex-Powell 1-33A3 755 BO, no wtr and 1342 MCF gas through 8/64" chk w/  
 (RP&AT) 4300 psi FTP. NOV 5 1974

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Flowing. On 24-hr test, flwd  
 Altex-Powell 1-33A3 1107 BO, no wtr and 1677 MCF gas through 12/64" chk w/  
 (RP&AT) 4200 psi FTP. NOV 6 1974

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Flowing. On 24-hr test, flwd  
 Altex-Powell 1-33A3 1244 BO, no wtr and 1863 MCF gas through 13/64" chk w/  
 (RP&AT) 4100 psi FTP. NOV 7 1974

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Flowing. On 24-hr test, flwd  
 Altex-Powell 1-33A3 1214 BO, no wtr and 1913 MCF gas through 13/64" chk  
 (RP&AT) w/4000 psi FTP. NOV 8 1974

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Flowing. On 24-hr tests, flwd  
 Altex-Powell 1-33A3 as follows:  
 (RP&AT)

Rpt Date	BO	BW	MCF Gas	Chk	FTP
11/9	1190	0	1728	13/64"	4000
11/10	1197	0	1708	14/64"	3900
11/11	575	0	892	10/64"	4100

NOV 11 1974

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Flowing. On 24-hr test, flwd  
 Altex-Powell 1-33A3 422 BO, no wtr and 731 MCF gas through 10/64" chk w/  
 (RP&AT) 4100 psi FTP. NOV 12 1974

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Flowing. On 24-hr test,  
 Altex-Powell 1-33A3 flwd 1097 BO, no wtr and 1660 MCF gas through 12/64"  
 (RP&AT) chk w/3950 psi FTP. NOV 13 1974

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Flowing. On 24-hr test,  
 Altex-Powell 1-33A3 flwd 670 BO, 1 BW and 1098 MCF gas through 9/64"  
 (RP&AT) chk w/4000 psi FTP. NOV 14 1974

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Flowing. On 20-hr test, flwd  
Altex-Powell 1-33A3 477 BO, 1 BW and 873 MCF gas through 8/64" chk w/4050  
(RP&AT) psi FTP. NOV 15 1974

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. REPERFORATION AND ACID TREATMENT  
Altex-Powell 1-33A3 COMPLETE. On 24-hr test 10/22/74, prior to work, flwd  
(RP&AT) 155 BO, 136 BW and 83 MCF gas through 16/64" chk w/300  
psi FTP from Wasatch perfs 11,568-12,110 and 13,745-  
14,993 (46 perfs). On 24-hr test 11/15/74, after  
reperforating and acidizing, flwd 701 BO, no wtr and 971  
MCF gas through 9/64" chk w/4000 psi FTP from Wasatch  
perfs 11,568-14,993 (164 perfs). NOV 18 1974  
FINAL REPORT.

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

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<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR Shell Oil Company</p> <p>3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80290</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2340' FNL &amp; 660' FEL Section 33</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. Patented</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Powell</p> <p>9. WELL NO. 1-33A3</p> <p>10. FIELD AND POOL, OR WILDCAT Altamont</p> <p>11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA SE/4 NE/4 Section 33-T1S-R3W</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>18. STATE Utah</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6222 KB</p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

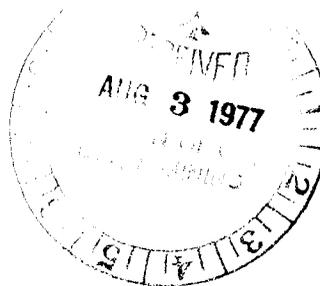
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

See attachment

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: August 8, 1977

BY: R. Plautz



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

SIGNED R. Plautz TITLE Div. Opers. Engr. DATE 8/1/77

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

cc: Utah USGS w/attachment

PERFORATE & ACID TREAT

SHELL-CHEVRON-BARBER OIL-ALTEX

ALTAMONT

FROM: 5/10 - 8/1/77

LEASE POWELL  
DIVISION WESTERN  
COUNTY DUCHESNE

WELL NO. 1-33A3  
ELEV 6222 KB  
STATE UTAH

UTAH |

ALTAMONT |

Shell-Chevron-Barber Oil-  
Altex-Powell 1-33A3  
(Perf & AT)

"FR" TD 15,140. PB 15,101. AFE #526267 provides funds to CO, perf, isolate & acdz. MI&RU WOW #17. Installed & tested BOP's. Pmp'd 100 bbls prod wtr down csg; 50 bbls down tbg. Well on vac. Removed BPV, PU on tbg & released from Mdl D pkr. Pulled 100 stds tbg & SD for night.

MAY 10 1977

Shell-Chevron-Barber Oil-  
Altex-Powell 1-33A3  
(Perf & AT)

TD 15,140. PB 15,101. POOH & LD Camco mandrels & latch-in seal assy. Reinstalled & tested BOP's. PU Bkr 7-5/8" pkr picker; tools for 7-5/8 would not go thru tbg spools. RIH on 2-7/8 tbg. Pmp'd 400 bbls prod wtr while RIH. RU power swivel & SD for night.

MAY 11 1977

Shell-Chevron-Barber Oil-  
Altex-Powell 1-33A3  
(Perf & AT)

TD 15,140. PB 15,101. Pmp'd 600 bbls prod wtr to est circ. Milled over 7-5/8 Mdl D; took 5 hrs to free entirely. POOH & LD remains of pkr & pkr picker. RIH w/4-1/2 WO shoe & 2 jts 4" WP. PU 2000' 2-7/8 tbg & SD for night.

MAY 12 1977

Shell-Chevron-Barber Oil-  
Altex-Powell 1-33A3  
(Perf & AT)

TD 15,140. PB 15,101. Possibly tag'd scale just inside liner. Drld & washed down 7 jts. Spt'd 10 bbls 15% HCl @ btm of WP & bullheaded down csg w/50 bbls prod wtr. Waited 1 hr on acid. Ran 2 jts tbg ok. Milled & washed 1-1/2 hrs to get next jt down. Spt'd 10 bbls 15% HCl & bullheaded down csg. Waited 1 hr on acid. Ran in 2 jts tbg. Milled 1/2 hr & made 10'. Spt'd 20 bbls 15% HCl & bullheaded to btm of WO shoe. Pulled up 7 stds & SD for night.

MAY 13 1977

Shell-Chevron-Barber Oil-  
Altex-Powell 1-33A3  
(Perf & AT)

TD 15,140. PB 15,101. 5/13 RIH w/pipe 30' after acid soaked overnight. Pmp'd 300 bbls prod wtr to est circ; no acid in returns. Milled 2 hrs & made 10'. Spt'd 10 bbls 15% HCl @ btm of WP. POOH; shoe was worn off 1/4" on sides of mill. RIH w/heavier WO shoe. Ran w/WP to 11,300' & SI well. 5/14 Pmp'd 900 bbls prod wtr to est circ. Milled 11,806-11,900 (hard). Spt'd 10 bbls wt'd dbl-inh'd 15% HCl & let soak 1 hr. Milled 11,900-11,926. Spt'd 40 bbls 15% HCl (wt'd, inh'd) & let soak over Sunday. Pulled 10 stds tbg & SI well.

MAY 16 1977

Shell-Chevron-Barber Oil-  
Altex-Powell 1-33A3  
(Perf & AT)

TD 15,140. PB 15,101. Bled press to pit. Pmp'd 700 bbls prod wtr to est circ. Tag'd scale or fill @ 11,926. Milled 2 hrs & made nothing. Pulled 150 stds & SI well overnight.

MAY 17 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. POOH. Mill worn out; apparently  
Altex-Powell 1-33A3 some metal junk. RIH on sdline w/4-1/4 lead impress blk.  
(Perf & AT) POOH; blk severely marked up on circumference - nothing  
in middle. PU 4-1/2 x 3-1/2 ID WO shoe & RIH w/2 jts  
4" WP. Tag'd up @ 11,926. Milled & reverse circ'd to  
12,231; did not have to rotate 2 jts. Took 500 bbls  
prod wtr to est circ. PU 20' & SD for night.

MAY 18 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Ran tbg & mill 12,231-13,589 &  
Altex-Powell 1-33A3 tag'd solid btm. Pmp'd 2100 BW to est partial returns.  
(Perf & AT) Reverse circ & mill'd 13,589-13,640 (51'); mill worn  
out. Pulled 75 stds tbg & SD for night.

MAY 19 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Pulled tbg & mill. Rec'd 2 sets  
Altex-Powell 1-33A3 WL tools. Chng'd BOP from 10" to 6". Reran new mill,  
(Perf & AT) 2 jts WP, mill shoe (4-1/2 OD x 3-1/2 ID) & WP (4-1/2  
OD x 3-1/2 ID x 60' long). Tag'd scale tight spt @  
11,959 & milled out to 11,979. Ran mill to 13,610.  
Mill OD last run worn off 1/4". Spt'd 25 bbls wt'd,  
gelled, dbl-inh'd 15% HCl @ 13,000'. SD overnight.

MAY 20 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. 5/20 Pmp'd 1200 bbls prod wtr to  
Altex-Powell 1-33A3 est circ. Milled 13,610-13,625. Ran mill free to 14,119  
(Perf & AT) & tag'd scale. Pmp'd 500 bbls to circ. Milled to 14,130.  
Attempted to spt 25 bbls 15% HCl & tbg plug'd. Pulled &  
LD 13 jts tbg wet. 5/21 Tbg & csg sli show of gas; no  
press. Swb'd FL to 8000'. Pulled 6 stds tbg & tbg  
started unloading. Unable to install kill valve; too  
much flw & press. Closed blind rams & installed kill  
valve. Pmp'd 100 BW down csg & closed pipe rams. Pmp'd  
down tbg; pipe rams leaking. PU on tbg; tbg prt'd where  
blind rams were closed. Tbg drop'd to btm; top of tbg  
@ about 1674'. Ran 5-3/4 OD flat btm skirted mill & tag'd  
top of fish @ 1704. Ran 5-3/4 OD overshot w/2-7/8 grapple.  
Rotated down over 2-7/8 tbg fish. Pulled 90,000# on  
fish (20,000# over wt); overshot came off fish. SI  
well.

MAY 23 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. POOH w/overshot. Redressed &  
Altex-Powell 1-33A3 reran w/2' ext w/2-7/8" grapple & packoff. Engaged fish  
(Perf & AT) @ 1704'. Pmp'd 150 bbls down tbg & 150 down csg. Pulled  
105,000# & fish came loose. Pulled 20 stds & removed  
overshot. Pmp'd 75 bbls down tbg & 100 bbls down tbg.  
Pulled fish; no bent tbg. Rec'd 2 more bits of 1-1/2"  
sinker bars in WP. Washover shoe worn out on btm. Ran  
2" blind box on slick line to 13,900', ok. LD power  
swivel. PU Bkr Mdl C ret BP w/ball catcher on top &  
Bkr Mdl R3 full-opening set down pkr.

MAY 24 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. 12-hr SITP & CP 500 psi. Ran  
Altex-Powell 1-33A3 Bkr Mdl C ret BP thru tight spt @ 11,963 & set @ 13,690.  
(Perf & AT) Set Bkr Mdl R pkr @ 13,670. Press'd tbg against BP &  
csg to 2800#; BP not holding. Pmp'd in @ 1500# @ 2 B/M.  
Drop'd SV in tbg to SN. Press'd tbg to 4500 psi, held  
ok. Pulled SV. Latched onto BP. SD for night.

MAY 25 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Pulled tbg, pkr & BP. Cups  
 Altex-Powell 1-33A3 on top & btm of BP torn - reason for leaking. RU OWP &  
 (Perf & AT) set Bkr Mdl N CIBP @ 13,700 & set 5-1/2 Bkr Mdl F1 43-30  
 permanent prod pkr @ 12,600'. Ran seal assy & SN &  
 latched into pkr w/5000# tension. Installed 10,000# tree.

MAY 26 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. 12-hr SITP 0 & SICP 300#. OWP  
 Altex-Powell 1-33A3 perf'd as per prog: Run #1 perf'd 13,659-13,259 (39  
 (Perf & AT) holes); start 600# - stop 1100#. Run #2 perf'd 13,247-  
 13,930 (33 holes); start 1300# - stop 1500#. Run #3  
 perf'd 12,897-12,670 (23 holes); start 2000# - stop 2200#. Total 95 holes. Bullheaded 25 bbls wt'd, gelled, dbl-  
 inh'd, 15% HCl down tbg foll'd w/49 bbls prod wtr. Let acid soak. Mixed 2000# Benzoic Acid Flakes in 50 bbls  
 prod wtr & pmp'd down backside. AT down tbg 13,659-12,670 (95 new perfs & 50 old perfs) w/640 bbls 7-1/2%  
 HCl & 220 ball sealers. Flushed w/100 bbls prod wtr & 50 bbls diesel. Total load 790 bbls. Max TP 6500 psi,  
 min 2650, avg 3300. Max rate 12 B/M, min 6-1/2, avg 10. ISIP 3900 psi, 5 mins 50, 10 mins 0, 15 mins 0. Pmp'd  
 50 bbls diesel. ISIP 4400 psi, 5 mins 100, 10 mins 0. Avg 1500# pmp'd down backside during trtmt. Good ball  
 & divert action during trtmt.

MAY 27 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. 5/27 OWP ran GR 13,700-12,670'.  
 Altex-Powell 1-33A3 Well was on sli vac. RD OWP; well began to press up -  
 (Perf & AT) 100# on WH. Flwd 40 bbls diesel. WH press went to 900#. Started flw'g wtr; flwd well to pit 1 hr. Well flwd  
 approx 40 BW, some diesel & gas. Well cleaned up & started mak'g oil. SI well to hook up flwline; SIP  
 1200 psi. Flwd well to bty; press drop'd to 1000 psi & 900# 1/2 hrs later on 40/64 chk. In 1 hr well flwd 58  
 BO & 20 BW on 40/64 chk. 5/28 In 17 hrs well flwd 1155 BO & 124 BW on 32/64 chk w/1000 psi & 1565 MCF/D gas.  
 Turned well over to prod.

MAY 31 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On various tests, prod:  
 Altex-Powell 1-33A3

Rept Date	Hrs	BO	BW	MCF Gas	Press
5/29:	24	1776	78	1443	800
5/30:	24	1537	150	1773	800

(Perf & AT) JUN 01 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 1525 BO, 216  
 Altex-Powell 1-33A3 BW, 1955 MCF gas w/700 psi.  
 (Perf & AT)

JUN 02 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 1376 BO,  
 Altex-Powell 1-33A3 288 BW, 1600 MCF gas w/600 psi.  
 (Perf & AT)

JUN 03 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 1412 BO, 399  
 Altex-Powell 1-33A3 BW, 1600 MCF gas w/500 psi.  
 (Perf & AT)

JUN 06 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On various tests, prod:  
 Altex-Powell 1-33A3

Rept Date	Hrs	BO	BW	MCF Gas	Press
6/3	24	1424	462	1427	500
6/4	24	1183	520	1427	1250 inj press
6/5	24	1162	564	1427	1250 inj press

(Perf & AT) JUN 07 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, gas lifted 961 BO,  
Altex-Powell 1-33A3 487 BW, 1179 MCF gas w/1250 psi inj press.  
(Perf & AT)

JUN 08 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, gas lifted 1009 BO,  
Altex-Powell 1-33A3 597 BW, 1372 MCF gas w/1250 psi inj press.  
(Perf & AT)

JUN 09 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, gas lifted 975 BO,  
Altex-Powell 1-33A3 571 BW, 1123 MCF gas w/1250 psi inj press.  
(Perf & AT)

JUN 10 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, gas lifted 906 BO,  
Altex-Powell 1-33A3 503 BW, 1149 MCF gas w/1250 psi inj press.  
(Perf & AT)

JUN 13 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On various tests, gas lifted:

Altex-Powell 1-33A3	Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
(Perf & AT)	6/10	24	968	470	1026	1250
	6/11	17	618	262	821	1250
	6/12	24	1002	497	1073	1250

JUN 14 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, gas lifted 864 BO,  
Altex-Powell 1-33A3 553 BW, 898 MCF gas w/1250 psi inj press.  
(Perf & AT)

JUN 15 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, gas lifted 807 BO,  
Altex-Powell 1-33A3 580 BW, 970 MCF gas w/1300 psi inj press.  
(Perf & AT)

JUN 16 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 757 BO,  
Altex-Powell 1-33A3 500 BW, 798 MCF gas w/400 psi.  
(Perf & AT)

JUN 17 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 778 BO, 545  
Altex-Powell 1-33A3 BW, 639 MCF gas w/300 psi.  
(Perf & AT)

JUN 20 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On various tests, prod:

Altex-Powell 1-33A3	Rept Date	Hrs	BO	BW	MCF Gas	Press
(Perf & AT)	6/17	24	734	527	943	300
	6/18	24	741	483	940	300
	6/19	24	667	413	792	300

JUN 21 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 716 BO, 428  
Altex-Powell 1-33A3 BW, 679 MCF gas w/300 psi.  
(Perf & AT)

JUN 22 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 604 BO, 379  
Altex-Powell 1-33A3 BW, 483 MCF gas w/300 psi.  
(Perf & AT)

JUN 23 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 597 BO, 430  
 Altex-Powell 1-33A3 BW, 483 MCF gas w/300 psi.  
 (Perf & AT) (Addn'l info: 6/10 MI&RU Schl to log well. The foll'g  
 is the % of total prod: Depth 13,595' 5.5%; 13,545' 8%;  
 13,355-300' 15% & 12,650-780' 71.5%.)

JUN 24 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 607 BO, 408  
 Altex-Powell 1-33A3 BW, 505 MCF gas w/250 psi.  
 (Perf & AT)

JUN 27 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On various tests, prod:  
 Altex-Powell 1-33A3

Rept Date	Hrs	BO	BW	MCF Gas	Press
6/24	24	624	475	490	300
6/25	24	615	472	621	250
6/26	24	629	516	679	250

(Perf & AT)

JUN 28 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 693 BO, 534  
 Altex-Powell 1-33A3 BW, 543 MCF gas w/250 psi.  
 (Perf & AT)

JUN 29 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 580 BO,  
 Altex-Powell 1-33A3 494 BW, 528 MCF gas w/300 psi.  
 (Perf & AT)

JUN 30 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 583 BO, 485  
 Altex-Powell 1-33A3 BW, 535 MCF gas w/300 psi.  
 (Perf & AT)

JUL 01 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 581 BO, 495  
 Altex-Powell 1-33A3 BW, 452 MCF gas w/200 psi.  
 (Perf & AT)

JUL 05 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On various tests, prod:  
 Altex-Powell 1-33A3

Rept Date	Hrs	BO	BW	MCF Gas	Press
7/1	24	545	462	528	200
7/2	24	516	432	377	200
7/3	24	548	502	490	250

(Perf & AT)

JUL 06 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 530 BO, 480  
 Altex-Powell 1-33A3 BW, 490 MCF gas w/200 psi.  
 (Perf & AT)

JUL 07 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. 7/5 On 24-hr test, prod 514 BO,  
 Altex-Powell 1-33A3 433 BW, 500 MCF gas w/200 psi. 7/6 On 24-hr test, prod  
 (Perf & AT) 468 BO, 447 BW, 490 MCF gas w/200 psi.

JUL 08 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 442 BO, 405 BW,  
 Altex-Powell 1-33A3 490 MCF gas w/200 psi.  
 (Perf & AT)

JUL 11 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On various tests, prod:  
 Altex-Powell 1-33A3

Rept Date	Hrs	BO	BW	MCF Gas	Press
7/8	24	447	421	377	200
7/9	24	380	399	360	250
7/10	24	489	561	566	300

(Perf & AT)

JUL 12 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, prod 488 BO, 790  
 Altex-Powell 1-33A3 BW, 576 MCF gas w/300 psi.  
 (Perf & AT) (Report discontinued until further activity) JUL 13 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. (RRD 7/13/77) RU WOW #17. Prep  
 Altex-Powell 1-33A3 to pull pkr, tbg & rerun w/gas mndrls.  
 (Perf & AT) JUL 18 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Installed 6" BOP & unstung from  
 Altex-Powell 1-33A3 pkr. Pmp'd 500 bbls prod wtr down tbg & csg; no circ.  
 (Perf & AT) JUL 19 1977 Pulled tbg & seal assy. Ran 4-3/4 OD Bkr pkr picker  
 mill to w/in 1 std of btm of 12,600. SD for night JUL 19 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Drld out Bkr pkr @ 12,600. Ran  
 Altex-Powell 1-33A3 to 12,843 & milled 40' of scale. Spt'd 10 bbls gelled,  
 (Perf & AT) wt'd, db1-inh'd, 15% HCl & let soak 1 hr. Milled out  
 scale to 12,920. Spt'd 10 more bbls of acid & let soak  
 overnight. JUL 20 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Milled out scale from 12,920-944.  
 Altex-Powell 1-33A3 Ran free to 13,306 & milled scale to 13,310. Ran mill  
 (Perf & AT) free to 13,680. Pulled tbg & milled to 12,800. Spt'd  
 20 bbls 15% acid & displ'd tbg. Fin'd pull'g tbg & mill.  
 JUL 21 1977 Ran 5-1/2 full bore Bkr pkr, gas mandrels & 75 stds tbg.

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Ran prod equip & tbg; unable to  
 Altex-Powell 1-33A3 get Bkr unloading sub in top of 5-1/2 liner. POOH. Ran  
 (Perf & AT) 3-11/16" OD unloader, 11 gas mndrls & 375 jts tbg. Set  
 pkr @ 11,492 w/16,000# tension. Released rig 5 p.m. 7/21.  
 JUL 22 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. Hooked up flw line & gas inj  
 Altex-Powell 1-33A3 line to csg. Turned well over to prod 10 a.m. 7/22.  
 (Perf & AT) In 19 hrs, prod 125 BO, 109 BW & 200 MCF gas.  
 JUL 25 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On various tests, gas lifted:  
 Altex-Powell 1-33A3  
 (Perf & AT)

<u>Rept Date</u>	<u>Hrs</u>	<u>BO</u>	<u>BW</u>	<u>MCF Gas</u>	<u>Inj Press</u>
7/22	SI				
7/23	24	125	209	191	1400
7/24	24	160	232	233	1400

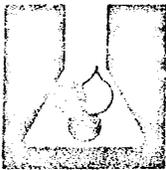
JUL 26 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, gas lifted 436 BO,  
 Altex-Powell 1-33A3 575 BW, 643 MCF gas w/1400 psi inj press.  
 (Perf & AT) JUL 27 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, gas lifted 583 BO,  
 Altex-Powell 1-33A3 914 BW, 1699 MCF gas w/1400 psi inj press.  
 (Perf & AT) JUL 28 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. On 24-hr test, gas lifted 511 BO,  
 Altex-Powell 1-33A3 789 BW, 1308 MCF gas w/1400 psi inj press.  
 (Perf & AT) JUL 29 1977

Shell-Chevron-Barber Oil- TD 15,140. PB 15,101. This well is back on gas lift via  
 Altex-Powell 1-33A3 the central system. Prior to placing on gas lift, the  
 (Perf & AT) well flwd 411 BO & 545 BW/D. Foll'g the work, well prod  
 an avg of 486 BO & 672 BW w/540 MCF gas per day.  
 FINAL REPORT AUG 01 1977



# LITE RESEARCH LABORATORIES

P.O. Box 119

Fort Duchesne, Utah 84026

(801) 722-2254

LABORATORY NUMBER W-2066  
 SAMPLE TAKEN 4-4-75  
 SAMPLE RECEIVED 4-7-75  
 RESULTS REPORTED 4-8-75

SAMPLE DESCRIPTION \_\_\_\_\_ FIELD NO. \_\_\_\_\_  
 COMPANY Shell Oil Co. LEASE Powell WELL NO. 1-33-A3  
 FIELD \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_ Dec 33-15-3W  
 SAMPLE TAKEN FROM \_\_\_\_\_  
 PRODUCING FORMATION Wasatch TOP \_\_\_\_\_  
 REMARKS \_\_\_\_\_

Production Logging

SAMPLE TAKEN BY \_\_\_\_\_

## CHEMICAL AND PHYSICAL PROPERTIES

SPECIFIC GRAVITY @60/60° F. 1.0056 pH 7.20 RES. .80 OHM METERS @ 77° F

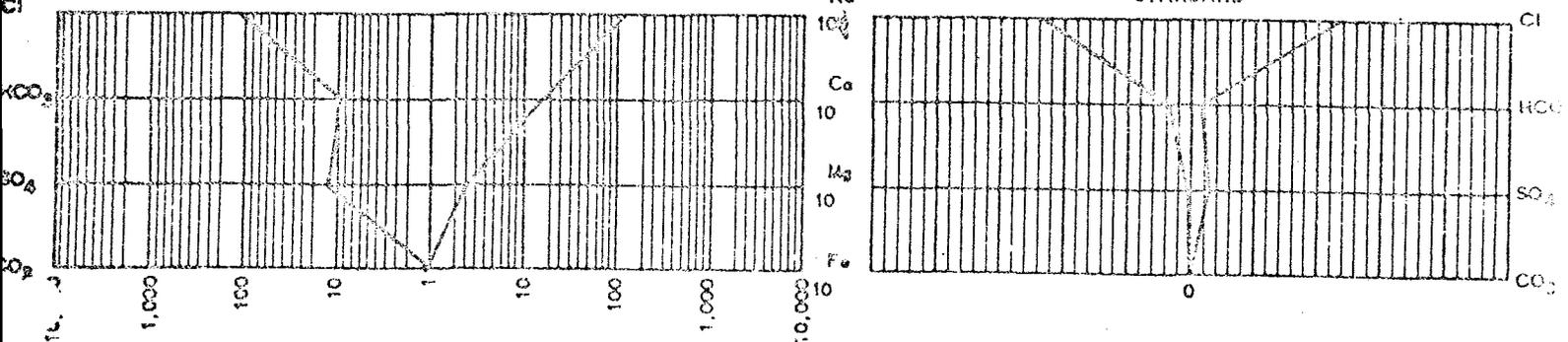
TOTAL HARDNESS 1033.47 mg/L as CaCO<sub>3</sub> TOTAL ALKALINITY 582.0 mg/L as CaCO<sub>3</sub>

CONSTITUENT	MILLIGRAMS PER LITER mg/L	MILLEQUIVALENTS PER LITER MEQ/L		REMARKS
CALCIUM - Ca <sup>++</sup>	344.0	17.20		
MAGNESIUM - Mg <sup>++</sup>	41.30	3.39		
SODIUM - Na <sup>+</sup>	2719.30	118.23		
BARIUM (INCL. STRONTIUM) - Ba <sup>++</sup>	2.71	0.04		
TOTAL IRON - Fe <sup>++</sup> AND Fe <sup>+++</sup>	2.51	0.09	138.95	
BICARBONATE - HCO <sub>3</sub> <sup>-</sup>	582.0	9.54		
CARBONATE - CO <sub>3</sub> <sup>==</sup>	0	0		
SULFATE - SO <sub>4</sub> <sup>==</sup>	670.0	13.96		
CHLORIDE - CL <sup>-</sup>	4098.4	115.45	138.95	
TOTAL DISSOLVED SOLIDS	7960.0			

MILLEQUIVALENTS PER LITER

LOGARITHMIC

STANDARD



ANALYST \_\_\_\_\_

CHECKED \_\_\_\_\_

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>PATENTED</b>																				
2. NAME OF OPERATOR <b>SHELL OIL COMPANY</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																				
3. ADDRESS OF OPERATOR <b>P.O. Box 831 HOUSTON, TX 77001 ATTN: P.G. GELWING RM # 646 WEX</b>		7. UNIT AGREEMENT NAME																				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>2340' FNL + 660' FEL SEC. 33</b>		8. FARM OR LEASE NAME <b>POWELL</b>																				
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.) <b>6222' KB</b>	9. WELL NO. <b>1-53A3</b>																				
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT <b>ALTAJUNT</b>																				
<table border="0"> <tr> <td colspan="2">NOTICE OF INTENTION TO:</td> <td colspan="2">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>WATER SHUT-OFF <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input checked="" type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table>		NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>		11. SEC., T., S., M., OR BLK. AND SURVEY OR AREA <b>SE 1/4 NE 1/4 T1S R3W</b>
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:																				
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>																			
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>																			
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>																			
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>																				
		12. COUNTY OR PARISH <b>DUCHESSNE</b>																				
		13. STATE <b>UTAH</b>																				

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

JUN 01  
DIVISION OF OIL, GAS & MINING

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 6-30-81  
BY: M. J. Menden

18. I hereby certify that the foregoing is true and correct  
SIGNED D.A. Lambie TITLE STAFF PROD. ENGINEER DATE 6-16-81

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

REMEDIAL PROGNOSIS  
POWELL 1-33A3  
SECTION 33, T2S, R3W  
ALTAMONT FIELD, UTAH

Pertinent Data:

Shell's Share: 92.65%

Elevation (KB): 6,222'  
Elevation (GL): 6,196'  
TD: 15,140'  
PBSD: 15,101' (Baker Model N CIBP at 13,700')  
Casing: 13-3/8", 68#, K-55 to 315'; 9-5/8", 47#, CF-95 to 6,200'; 7-5/8",  
39#, S-95 top at 5,992', bottom at 11,530'  
Liner: 5-1/2", 20# and 23#, 500-95; top at 11,334', bottom at 15,137'  
Tubing: 2-7/8", EUE, 6.5#, N-80 to 11,492'  
Packer: 5-1/2" Baker fullbore at 11,492'  
Perforations: 11,568'-14,993' (260 holes)  
Artificial Lift: Gas lift with mandrels at depths shown on current status  
diagram.  
Objective: CO<sub>2</sub> perforate, and stimulate the Wasatch.

Procedure:

1. MIRU. Load hole with clean produced water. Remove tree. Install and test BOPE as per field specs.
2. Pull tubing and 5-1/2 fullbore packer at 11,492', laying down gas lift mandrels while coming out.
3. RIH with bit or mill. CO 5-1/2" liner to 13,700' (CIBP).
4. Rig up perforators with lubricator (tested to 3,000 psi) and perforate as follows:
  - a. Perforate using a 3-1/8" O.D. casing gun with DML Densi-Jet XIV (14.0 gram) charges at 120° phasing.
  - b. Record and report wellhead pressure before and after each run.
  - c. Perforate (from bottom up) three shots per foot at depths shown on Attachment I. Depth reference is McCullough's GR/CBL dated 8/14-15/72.
5.
  - a. If well can be controlled with water after perforating, run a 5-1/2" fullbore packer on tubing and set at 12,610'±. Test tubing to 6,500 psi.
  - b. If well cannot be controlled with water after perforating, lubricate in a 5-1/2" Model "D" packer and set at 12,610'±. Run tubing, latch into packer, and put well on production.

6. Acid treat perfs 13,683'-12,638' (129 new, 145 old) with 25,000 gallons of 7-1/2% HCL as follows:
  - a. Pump 1,000 gallons 7-1/2% HCL.
  - b. Pump 4,000 gallons acid, dropping one ball sealer (7/8" RCN with 1.2 S.G.) every 100 gallons.
  - c. Pump 1,000 gallons acid containing 1,000# benzoic acid flakes.
  - d. Repeat Step (b) four more times and Step (c) three more times for a total of five stages acid and four of diverting materials (total 25,000 gallons acid and 200 ball sealers).
  - e. Flush with 110 bbls of clean produced water.

- Notes:
1. All acid and flush to contain six gallons G-10/1,000 gallons HCL or equivalent for  $\pm 70\%$  friction reduction and 1.0# 20-40 mesh RA sand per 1,000 gallons (no RA sand in flush).
  2. All acid to contain three gallons C-15/1,000 gallons HCL for four hours exposure at 210°F and the necessary surfactant (tested for compatibility with formation fluids).
  3. Maintain 2,500 psi surface casing pressure during treatment if possible.
  4. Pumping rates: pump at maximum possible without exceeding 6,500 psi differential pressure between tubing and annulus.
  5. Increase amount of diverting material if necessary to obtain a gradual increase in treating pressure and/or decrease in rate.
  6. Record ISIP and shut-in pressure decline for at least 20 minutes.

7. Run RA log from 13,700'± to 12,500'±.
8.
  - a. If well flows, release rig and put on production. When well can be controlled with water, move in rig and proceed to Step 9.
  - b. If well does not flow, continue with Step 9.
9.
  - a. If a 5-1/2" fullbore packer was used in Step 5, POOH with tubing and packer. RIH with 5-1/2" RBP and 5-1/2" fullbore packer. Set RBP at 12,610'±. Pressure test to 3,000 psi. If okay, spot one sack of sand on plug (at field's discretion).

- b. If a 5-1/2" Model "D" packer was used in Step 5, POOH with tubing. RIH with Model "D" latching" plug. Pressure test plug to 3,000 psi. If okay, spot one sack of sand on plug (at field's discretion).
10. Rig up perforators with lubricator (tested to 3,000 psi) and perforate as follows:
- a. Perforate using a 3-1/8" O.D. casing gun with DML Densi-Jet XIV (14.0 gram) charges at 120°F phasing.
- b. Record and report wellhead pressure before and after each run.
- c. Perforate (from bottom up) three shots per foot at depths shown on Attachment II. Depth reference is McCullough's GR/CBL dated 8/14-15/72.
11. a. If well can be controlled with water after perforating, run a 5-1/2" fullbore packer on tubing and set at 11,350'±. Test tubing to 6,500 psi.
- b. If well cannot be controlled with water after perforating, lubricate in a 5-1/2" Model "D" packer (with flapper) and set at 11,350'±. Run tubing, latch into packer, and put well on production.
12. Acid treat perms 12,580'-11,380' (165 new, 76 old) with 20,000 gallons of 7-1/2% HCL as follows:
- a. Pump 1,000 gallons 7-1/2% HCL.
- b. Pump 4,000 gallons acid, dropping one ball sealer (7/8" RCN with 1.2 S.G.) every 85 gallons.
- c. Pump 1,000 gallons acid containing 1,000# benzoic acid flakes.
- d. Repeat Step (b) three more times and Step (c) two more times for a total of four stages acid and three of diverting material (total 20,000 gallons acid and 188 ball sealers).
- e. Flush with 110 bbls of clean produced water.

- Notes:
1. All acid and flush to contain six gallons G-10/1,000 gallons HCL or equivalent for ±70% friction reduction and 1.0# 20-40 mesh RA sand per 1,000 gallons (no RA sand in flush).
  2. All acid to contain three gallons C-15/1,000 gallons HCL for four fours exposure at 210°F and the necessary surfactant (tested for compatibility with formation fluids).
  3. Maintain 2,500 psi surface casing pressure during treatment if possible.

4. Pumping rates: pump at maximum possible without exceeding 6,500 psi differential pressure between tubing and annulus.
  5. Increase amount of diverting material if necessary to obtain a gradual increase in treating pressure and/or decrease in rate.
  6. Record ISIP and shut-in pressure decline for at least 20 minutes.
13. Run RA log from 12,610'± to 11,200'±.
  14. a. If well flows, release rig and put on production. When well can be controlled with water, move in rig and proceed to Step 15.  
b. If well does not flow, continue with Step 15.
  15. a. If a 5-1/2" fullbore packer was used in Step 11, POOH with tubing and packer.  
b. If a 5-1/2" Model "D" packer was used in Step 11, POOH with tubing and seals. RIH and mill out 5-1/2" Model "D".
  16. a. If an RBP was used in Step 9a, circulate sand (if necessary) and retrieve BP. Proceed to Step 17.  
b. If a 5-1/2" Model "D" packer with Model "D" latching plug was used in Step 9b, RIH and retrieve latching plug. RIH and mill out 5-1/2" Model "D" packer. Proceed to Step 17.
  17. RIH with tubing, GL mandrels, and 7-5/8" packer. Set packer at 11,250'±. Install GL mandrels as shown in Attachment III.
  18. Return well to production.
  19. Report well tests on morning report until production stabilizes.

---

G. L. Thompson

---

Date

*DTC*  
*4-24-81* MEB:SJK

*MEB*  
*4-23-81*

ATTACHMENT I

Depth reference is McCullough's CBL/GR dated 8/14-15/72.

13683	13432	12987
673	402	976
644	360	956
633	240	952
613	223	940
600	200	906
591	192	858
584	147	844
541	137	830
513	131	706
504	111	699
494	100	689
469	078	679
452	002	662
		648

Total 129 perforations (3 JSPF at 43 depths).

ATTACHMENT II

Depth reference is McCullough's CBL/GR dated 8/14-15/72.

12580	12200	11885
542	172	872
535	153	857
515	129	845
464	108	831
453	097	820
442	089	804
422	072	781
405	055	762
364	019	731
360	010	713
326	11995	485
309	985	471
278	968	445
250	949	436
224	931	412
211	922	400
207	895	394
		380

Total 165 perforations (3 JSPF at 55 depths).

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
CA 96-87 -- 14-20-H62-1755

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR MAPCO Inc.		8. FARM OR LEASE NAME Allred
3. ADDRESS OF OPERATOR Suite 320 Plaza West 1537 Avenue D, Billings, Montana 59102		9. WELL NO. 1 - 16
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE 1/4 NE 1/4 700' FNL & 1280' FEL		10. FIELD AND POOL, OR WILDCAT Altamont
14. PERMIT NO. 43-013-30232	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6319' Ungraded Gr. - 6340' K.B.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 16 T. 1 S., R. 3 W., USM
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input checked="" type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Perforate	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

- 6-22-75: Perforated the following with 2 shots/ft: 15,866-861; 15,650-645'; 15,525-530'; 15,180-190'; 14,982-988'. Increased production from 41 BOPD to 183 BOPD.
- 9-11-75: Treated with 400 bbls. water containing 5 gals Hyflo/1000 gals. Developed leak to casing during job. Shut in after swabbing water.
- 10-28-75: Pulled Baker Model "R" Packer, cleaned out to 16,065' TD and installed gas lift valves with Otis Perma Latch packer at 13,036'. Production 46 BOPD.
- 1-7-76: Perforated as follows: 15,861-866'; 15,478-488'; 15,399-404'; 15,217-222'; 15,134-144'; 15,050-055'; 14,982-992'; 14,812-817'; 14,684-689'; 14,636-641', with 2 SPE Dresser Atlas 2-1/8" Jumbo Jets containing 6.0 gram charges.
- 2-26-76: Cement squeezed hole in 7-5/8" casing at 10,960' with 300 sx; held 2000 psi test. Production increased to 822 BOPD, 78 BOPD.

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

SIGNED Agnes W. Model TITLE Geological Clerk & Secretary DATE AUG 17 1976  
(Mrs. Agnes W. Model)

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

13-3/8" 68 LBS. K-55 ST&C  
 @ 315' CMT. W/450 SX.  
 CLASS "G", 3% CaCl<sub>2</sub>

315'  
 SQZD. 13-3/8"-9-5/8" ANNULUS  
 W/300 SX. CLASS "G",  
 RECEMENTED W/100 SX. CLASS "G"

9-5/8" 47 LBS. CF-95 @ 6200'  
 CMT. W/250 SX. 1:1 POZ, 2% GEL,  
 0.4% HR-4

TOP BURNS LINER  
 HANGER 5992'

6200'

7-5/8" 39 LBS. S-95 SFJ-P @  
 11,530' CMT. W/50 SX. 65:35 POZ,  
 6% GEL, 2% D-71, 600 SX. HAL LITE,  
 2/10% D-13R AND 100 SX. CLASS  
 "G", 2/10% D-93. LOST RETURNS  
 DURING DISPLACEMENT.

TOP LINER HANGER 11,310'  
 SQZD. LAP W/200 SX.

PERFS: 11,568'-12,110' (18)

PERFS: 13,745'-14,993' (28)

6-1/2" LINER SFJ-P @  
 15,135' W/814 SX.  
 SQZD. BELOW 15,101' W/120 SX.

5-1/2" 14 LBS. K-55 @ 4300'  
 HEAT STRING

CAMCO KBM-G MANDREL @ 5791'  
 W/DUMMY VALVE

PACKER FLUID:  
 INHIBITED FRESH WATER

CAMCO KBM-G MANDREL @ 11,212'  
 W/DUMMY VALVE

BAKER "FL" ON-OFF CONNECTOR  
 W/  
 PLUG NIPPLE

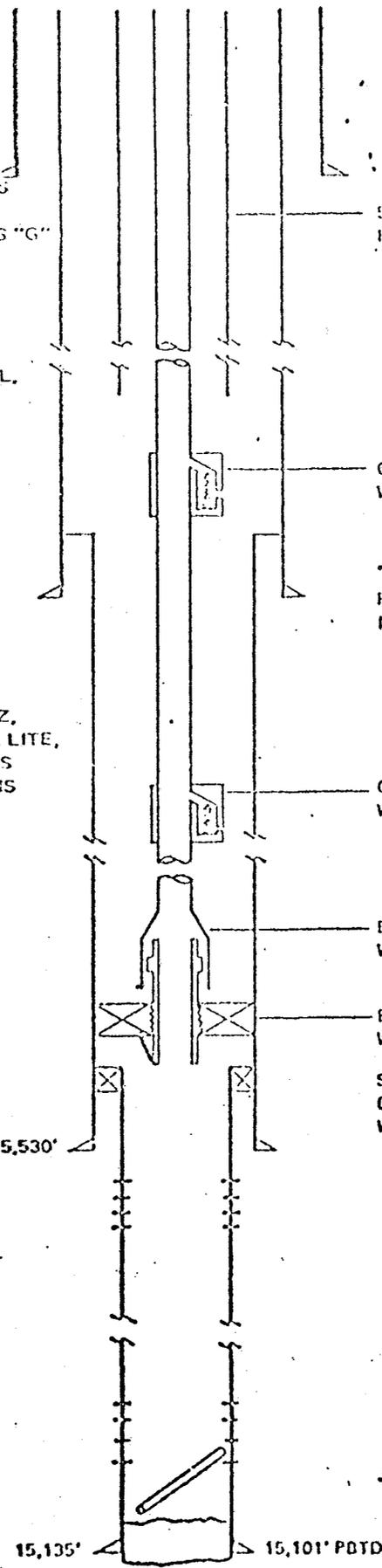
BAKER "D" PACKER @ 11,310'  
 W/FLAPPER

SEAL ASSEMBLY W/2 SEAL UNITS  
 60' 2-7/8" 10RD PROD. TUBE  
 W/PLUG HOLDER

JUNK: 40' PERF GUN

15,135' 15,101' PBD

TD 16,140'



REPERFORATION AND STIMULATION PROGNOSIS  
 POWELL 1-33A3  
 SECTION 33-TIS-R3W  
 DUCHESNE COUNTY, UTAH

PROCEDURE (CONT'D)

2

11,969	12,313	12,568	13,132	13,511
11,985	12,314	12,569	13,222	13,580
11,987	12,327	12,570	13,223	13,581
11,995	12,328	12,571	13,236	13,586
11,999	12,329	12,572	13,237	13,587
12,001	12,330	12,573	13,286	13,588
12,008	12,423	12,638	13,287	13,629
12,010	12,424	12,639	13,288	13,744
12,011	12,431	12,649	13,351	13,803
	12,432		13,352	13,804
12,013	12,433	12,662	13,353	13,806
12,014	12,434	12,663	13,359	13,807
12,020	12,452	12,678	13,360	13,832
12,021	12,453	12,679	13,361	13,834
		12,699		
		12,700		
12,055	12,454	12,705	13,413	13,835
12,109	12,468	12,706	13,414	13,922
12,130	12,469	12,905	13,415	

Total 119 holes.

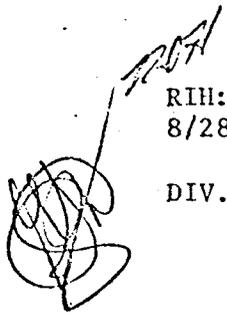
- NOTE: a. Perforate unidirectionally with 2" steel, hollow carrier gun; decentralized with magnets at top, middle and bottom of gun assembly. Use Harrison "RT" or Schlumberger Hyperjet 6.2 gram charges.
- b. Note and record pressure changes during and after perforating.
2. Flow at maximum rate possible (record wellhead pressure and estimated rate, i.e., on 1" choke).
  3. Acid treat gross perforated interval 11,568'-14,993' with 49,800 gal (1186 barrels) of 15% HCl acid as follows:
    - a. Pump 7 bbl 15% HCl acid.
    - b. Drop two 7/8" RCN ball sealers (SG 1.24) then pump 7 barrels 15% HCl acid.
    - c. Repeat Step (b) 165 additional times for a total of 1155 barrels and 330 ball sealers.
    - d. Pump an additional 17 barrels without Unibeads.
    - e. Flush with 6800 gal ( $\pm$  162 barrels) of fresh water containing 1245 lb. NaCl and 3 gal G-10 per 1000 gal (13% NaCl by weight).

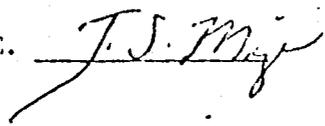
REPERFORATION AND STIMULATION PROGNOSIS.  
POWELL 1-33A3  
SECTION 33-TIS-R3W  
DUCHESNE COUNTY, UTAH

3

- NOTE: 1) All acid except last 17 barrels (refer to Step 3(d)) to contain the following additives per 1000 gal: 3 gal G-10, 3 gal C-15, 3 gal J-22, 30# OS-160 Wide range Unibeads, 30# OS-160 Button Unibeads and 3/4 (.75) lb. Iridium 192 Radioactive Silica Flour.
- 2) Heat all fluids to 80°F.
- 3) Place and hold 35 psi on tubing-casing annulus.
- 4) "Balling-out" at maximum allowable surface pressure is desirable; therefore, if "ballout" occurs before all acid is injected into the formation, hold 10,000 psi wellhead pressure for at least 3 minutes before bleeding back. Back-flow briefly, then recommence injecting remainder of acid and ball scalers. If subsequent "ball-out" occurs, repeat the preceding sequence. Do not cut out balls from acid until several complete "ball-outs" have occurred.
- 5) Record (instantaneous) shut-down pressure decline overnight with continuous pressure recorder.
4. Run GR Log to locate accumulations of RA sand while well is shut-in overnight.
5. Open well and clean-up at maximum rate of 1" choke if possible; record flowing pressures and any shut-in pressures. Keep record of load and ball sealer recovery.
6. Put well on production.
7. After  $\frac{+}{-}$  10,000 BO have been produced, obtain pressure build-up and gradient surveys; prognosis for this operation will be issued later.

  
B.L. Faulk

  
RIH:cyf  
8/28/74

DIV. O.E. 

POWELL 1-33A3  
PERFORATION DEPTHS

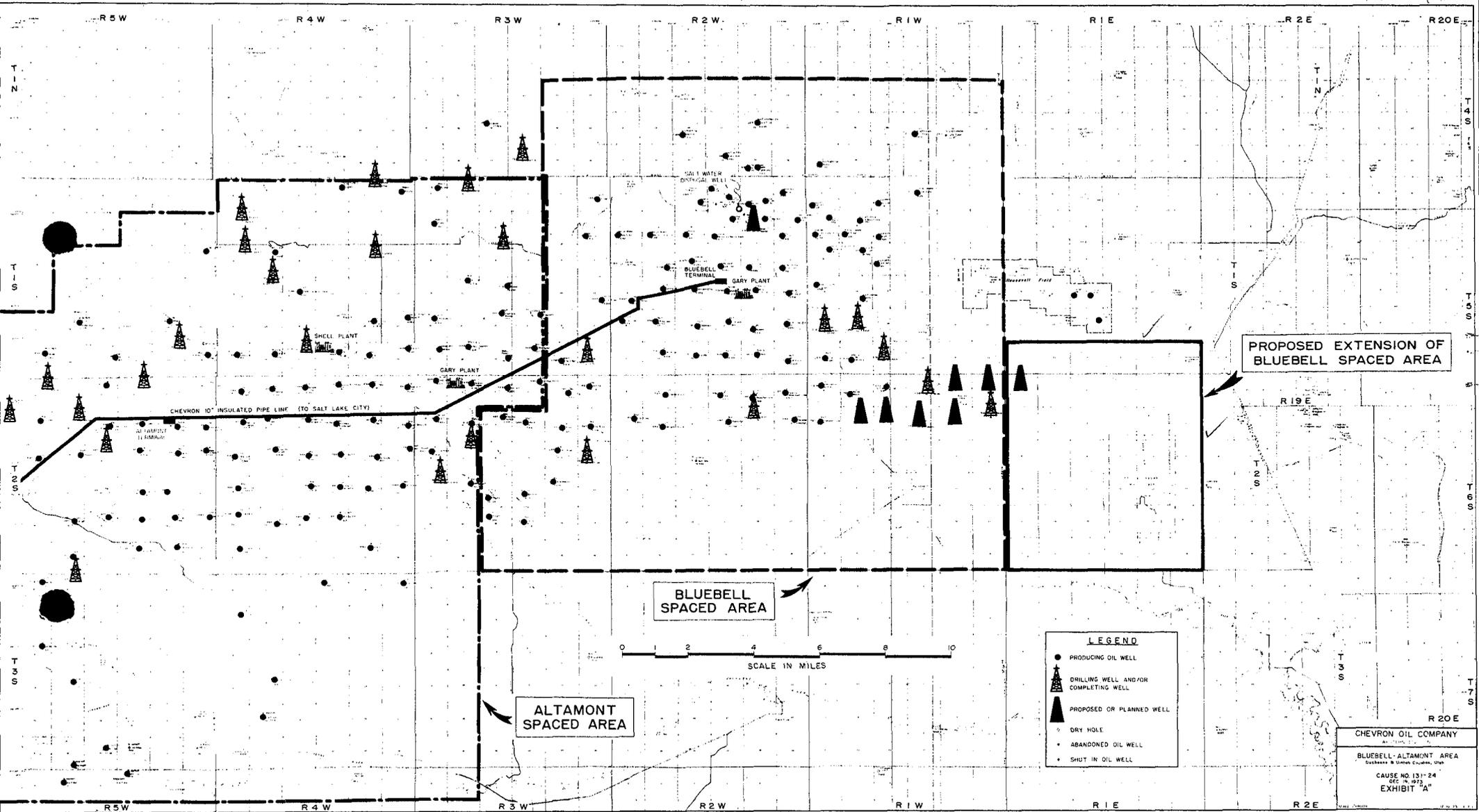
CN/DOC Depth	PDC Depth		CN/DOC Depth	PDC Depth
11896	11895		12226	12228
11934	11934		12227	12229
11951	11951		12310	12312
11952	11952		12311	12313
11954	11954		12312	12314
11966	11966		12313	12315
11967	11967		12314	12316
11969	11969		12327	12329
11985	11985		12328	12330
11987	11987		12329	12331
11995	11995		12330	12332
11999	11999		12423	12425
12001	12001		12424	12426
12008	12008		12431	12433
12010	12010		12432	12434
12011	12011		12433	12435
12013	12013		12434	12436
12014	12014		12452	12455
12020	12020		12453	12456
12021	12021		12454	12457
12055	12056		12468	12471
12104	12111		12469	12472
12130	12132		12470	12473
12131	12133		12471	12474
12132	12134		12549	12551

Case / POC Depth	POC Depth	Case / POC Depth	POC Depth
12550	12552	13130	13133
12551	12553	13131	13134
12552	12554	13132	13135
12567	12569	13222	13226
12568	12570	13223	13227
12569	12571	13236	13240
12570	12572	13237	13241
12571	12573	13286	13291
12572	12574	13287	13292
12573	12575	13288	13293
12638	12640	13351	13355
12639	12641	13352	13356
12649	12651	13353	13357
12662	12664	13359	13363
12663	12665	13360	13364
12678	12680	13361	13365
12679	12681	13413	13418
12699	12700	13414	13419
12700	12701	13415	13420
12705	12706	13416	13421
12706	12707	13422	13427
12905	12908	13423	13428
12906	12909	13424	13429
12907	12910	13508	13513
12956	12959	13509	13514
12957	12960	13510	13515
13078	13081	13511	13516

CDL/PDC DEPTH	PDC DEPTH
13580	13586
13581	13587
13586	13592
13587	13593
13588	13594
13629	13636
13744	13750
13803	13809
13804	13810
13806	13812
13807	13813
13832	13838
13834	13840
13835	13841
13922	13929

TOTAL: 119 PERFORATIONS

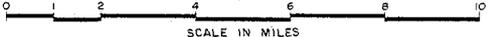
PDC DEPTH IS SCHLUMBERGER PERFORATING DEPTH  
CONTROL LOG DEPTHS. LOG IS DATED 11/4/72



PROPOSED EXTENSION OF  
BLUEBELL SPACED AREA

BLUEBELL  
SPACED AREA

ALTAMONT  
SPACED AREA

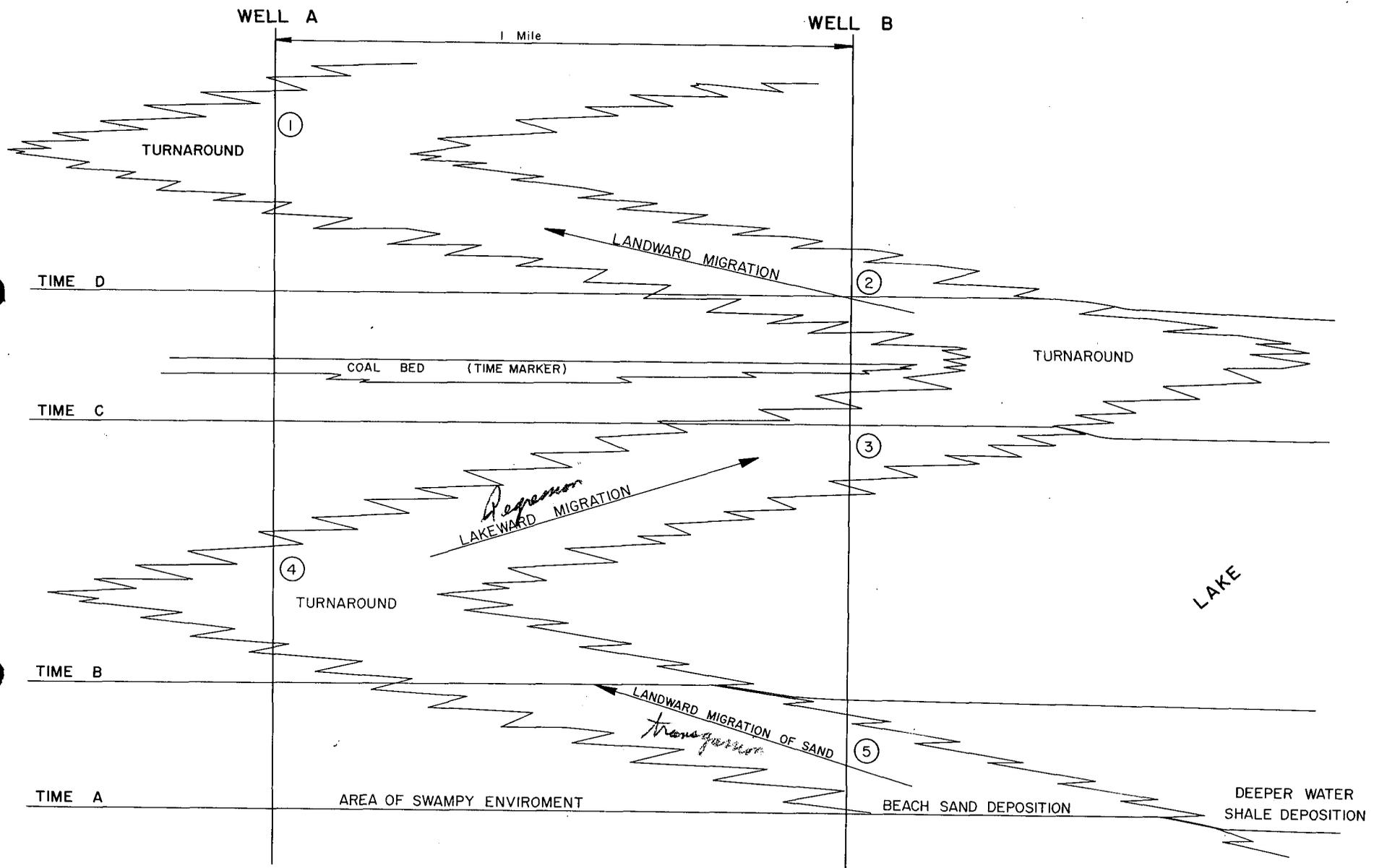


**LEGEND**

- PRODUCING OIL WELL
- ▲ DRILLING WELL AND/OR COMPLETING WELL
- ▲ PROPOSED OR PLANNED WELL
- DRY HOLE
- ABANDONED OIL WELL
- SHUT IN OIL WELL

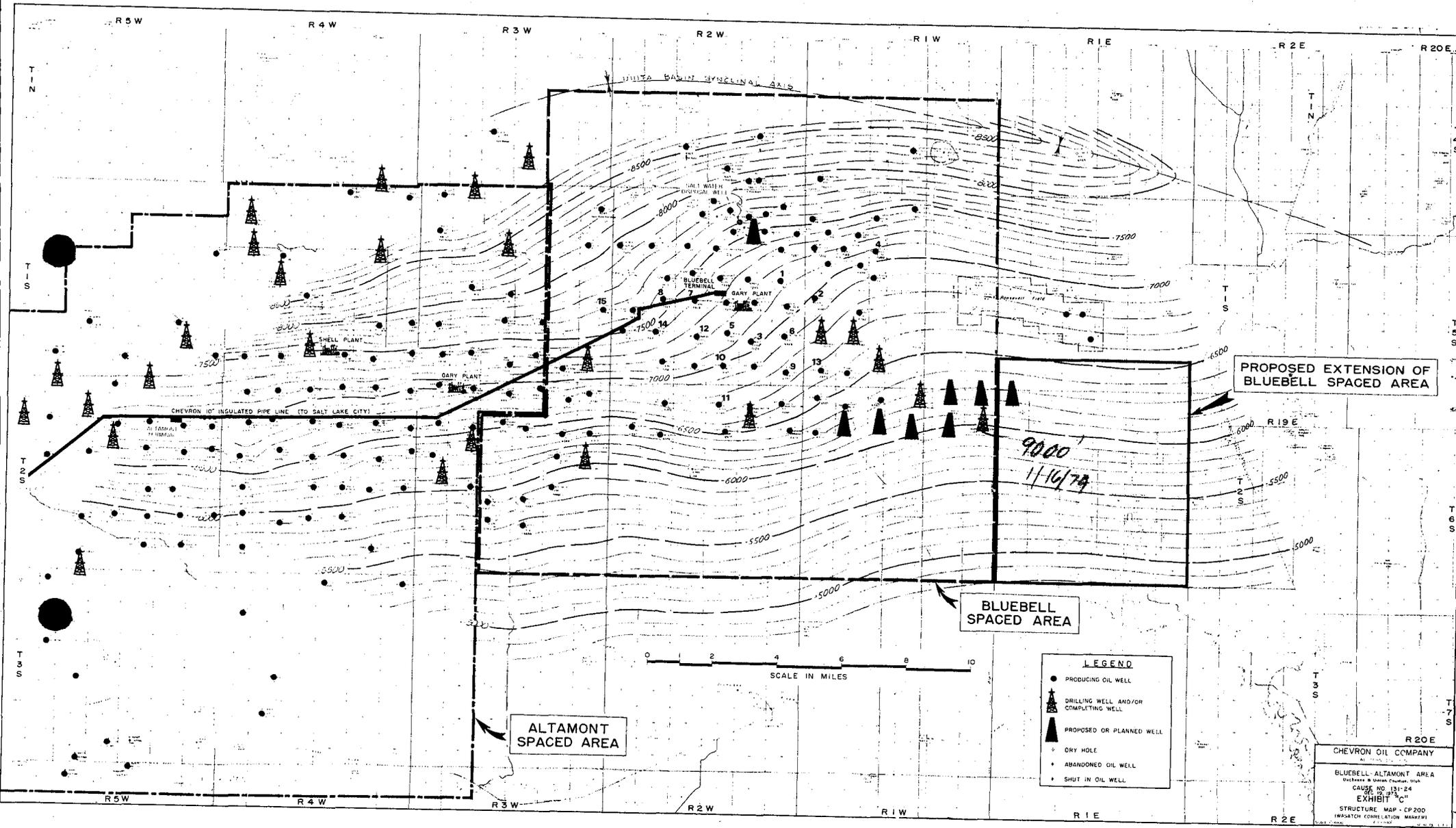
CHEVRON OIL COMPANY  
BLUEBELL-ALTAMONT AREA  
SCHEDULE B ORDER COMPLIANCE PLAN  
CAUSE NO. 131-24  
DEC. 14, 1973  
EXHIBIT "A"

North ← → South



SCHEMATIC DEPICTION OF MIGRATING ENVIROMENT

CHEVRON OIL COMPANY  
WESTERN DIVISION  
CAUSE NO. 131-24  
Dec. 19, 1973  
EXHIBIT "B"



PROPOSED EXTENSION OF BLUEBELL SPACED AREA

9000  
11/16/74

BLUEBELL SPACED AREA

ALTAMONT SPACED AREA

SCALE IN MILES

- LEGEND**
- PRODUCING OIL WELL
  - ▲ DRILLING WELL AND/OR COMPLETING WELL
  - ▲ PROPOSED OR PLANNED WELL
  - DRY HOLE
  - ABANDONED OIL WELL
  - SHUT IN OIL WELL

R 20E  
CHEVRON OIL COMPANY  
BLUEBELL ALTAMONT AREA  
DISCOVERY & DEVELOPMENT MAP  
CAUSE NO. 131-24  
PAGE 23 OF 24  
EXHIBIT "C"  
STRUCTURE MAP - CP 200  
(WARRANTY CORRELATION MAPS)

W

E

GULF-JOHN LAMICO #1-681  
SEC. 8 T-25 R-1W  
DUCHESE CO UTAH

CHEVRON-HATCH #1-581  
SEC. 5 T-25 R-1W  
DUCHESE CO UTAH

CHEVRON UTE TRIBAL #9-481  
SEC. 4 T-25 R-1W  
DUCHESE CO UTAH

CHEVRON-SHISLER #1-381  
SEC. 3 T-25 R-1W  
DUCHESE CO UTAH

GULF-ROBERTSON-UTE-STATE #1-281  
SEC. 12 T-25 R-1W  
UINTAH CO UTAH

PLANNED WELL  
#1-681E  
SEC. 6 T-25 R-1E  
UINTAH CO UTAH  
GL 5300



1100 BOP

600 BOP

1200 BOP

200' 11449

11520  
11449  
DST #2  
Mud bed flow

TOP BLUEBELL SPACED INTERVAL

(GREEN RIVER-WASATCH)

Correlation Marker

GREEN RIVER FORMATION  
(LACUSTRINE)

CP 90

11762

GREEN RIVER - WASATCH TRANSITIONAL FACIES  
(FLUVIAL AND LACUSTRINE)

CP-200

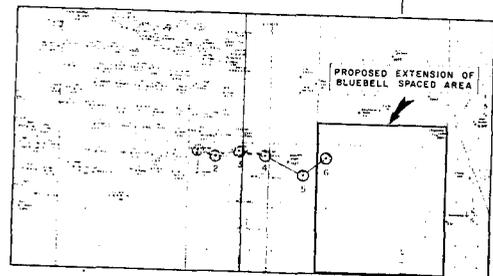
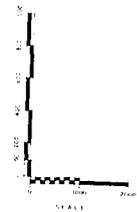
11368

Correlation Marker

HTD 12,400

TD 13,600  
IP 16.52 BOPD

LEGEND  
OVER ALL PERFORATIONS  
DRILL STEM TESTS



INDEX MAP SCALE 1"=1000'

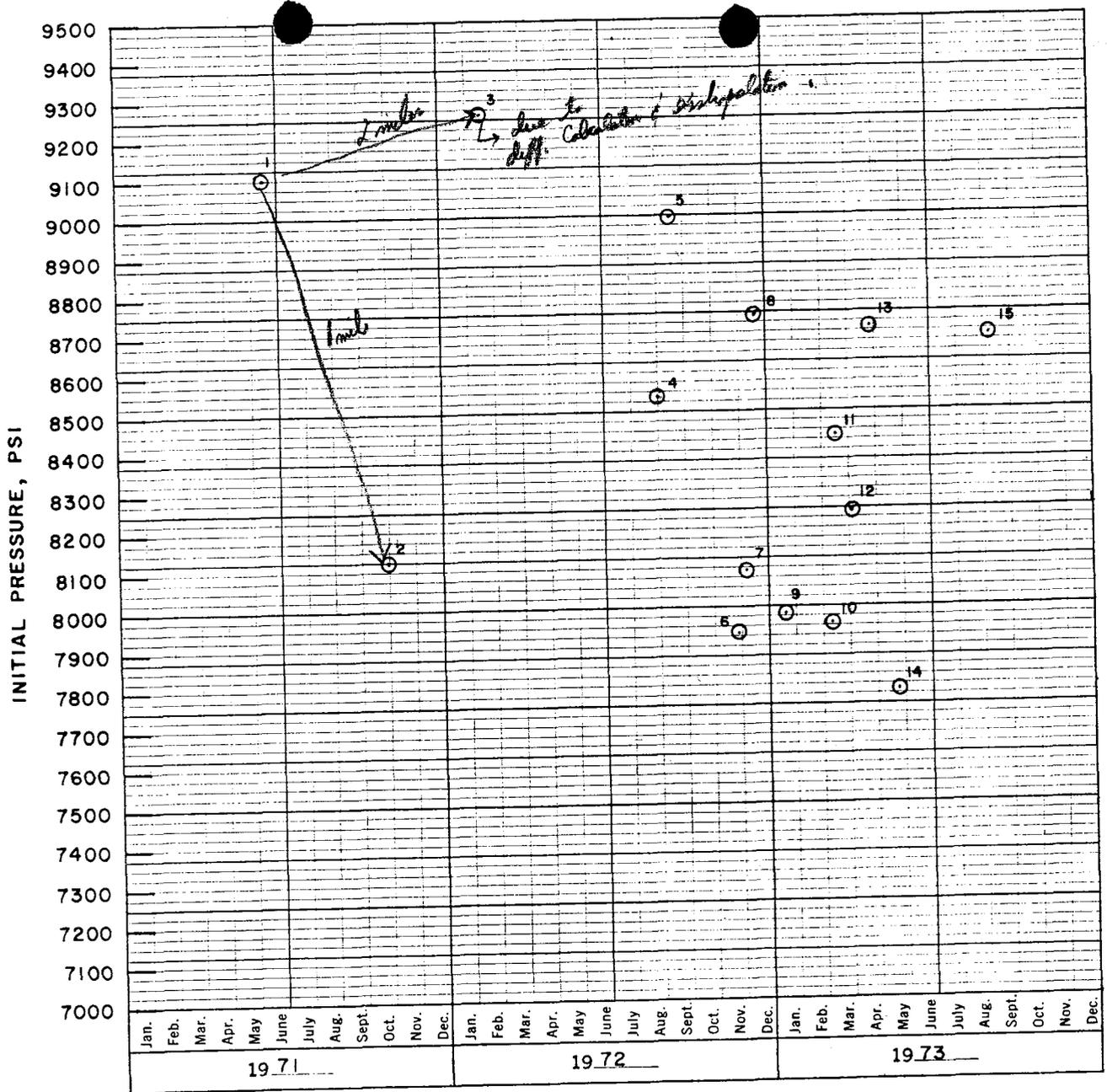
**CHEVRON OIL COMPANY**  
WESTERN DIVISION

BLUEBELL AREA  
Duchesse & Uintah Cos Utah

**CAUSE No. 131-24**  
DEC. 19, 1975  
**EXHIBIT "D"**

W-E STRATIGRAPHIC CROSS SECTION  
DATUM CP 90  
(In lower Green River)  
VERTICAL SCALE 1"=200'  
HORIZONTAL SCALE 1"=700'

CFL



- 1 POWELL 3-13A2 Sec. 13, TIS, R2W
- 2 POWELL 4-19A1 Sec. 19, TIS, R1W
- 3 HAMBLIN 1-26A2 Sec. 26, TIS, R2W
- 4 SHISLER 1-9A1 Sec. 9, TIS, R1W
- 5 JOHNSON 1-27A2 Sec. 27, TIS, R2W
- 6 TOMLINSON Fed. 1-25A2 Sec. 25, TIS, R2W
- 7 WOODWARD Fee 1-21A2 Sec. 21, TIS, R2W
- 8 LAMICO 1-20A2 Sec. 20, TIS, R2W
- 9 TAYLOR 1-36A2 Sec. 36, TIS, R2W
- 10 URRUTY 1-34A2 Sec. 34, TIS, R2W
- 11 JOHN 1-3B2 Sec. 3, T2S, R2W
- 12 ANDERSON 1-28A2 Sec. 28, TIS, R2W
- 13 UTE 1-31A1 Sec. 31, TIS, R1W
- 14 ROBERTSON 1-29A2 Sec. 29, TIS, R2W
- 15 UTE TRIBAL 7-24A3 Sec. 24, TIS, R3W

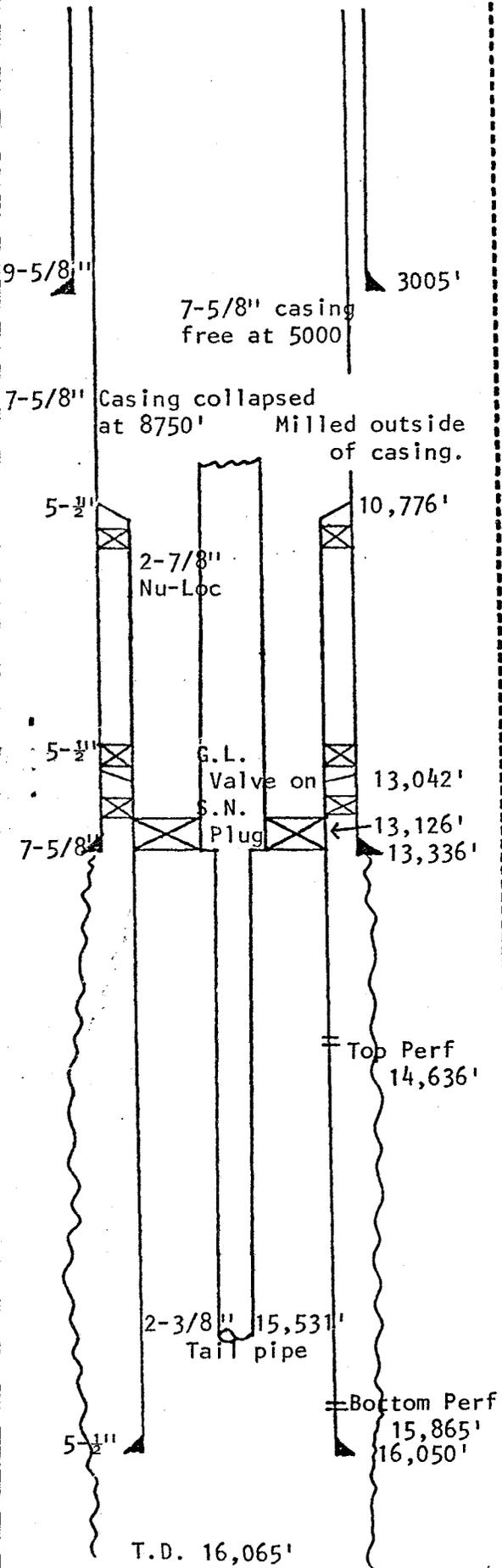
**CHEVRON OIL COMPANY**  
WESTERN DIVISION

**BLUEBELL AREA**  
DUCESNE & UNITAH CO'S., UTAH

CAUSE NO. 131-24  
Dec. 19, 1973

**EXHIBIT "E"**

MAPCO Inc. - WELL DATA SHEET



WELL: ALLRED 1-16 FIELD: ALTAMONT

LOCATION: NE NE (700' FNL & 1280' FEL) Sec. 16, T.1S., R.3

STATUS: Gas Lift

ELEVATION: 6319' GL, 6340' KB

SPUD DATE: 7-16-73 COMP DATE: 2-15-74

PRESENT TD: 16,065', PBTD: \_\_\_\_\_, ROT TD: \_\_\_\_\_

SURFACE CSG: 9-5/8", 36#, K-55, STC (75Jts.) Cemented at 3005' with 820 sax.

INTER, CSG: 7-5/8", 26.40#, 29.70#, 33.70#, N-80 & 95 Butt. and LTC; cemented at 13,336' with 458 sax.

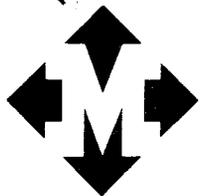
PROD CSG OR LINER: 5-1/2", 23#, P-110, SFJP Hydril (73 Jts.) Uncemented; top - 13,042, Bottom - 16,050'. Tieback 5-1/2", 17# N-80 (59 Jts) Top - 10,776', bottom - 13,042'.

TUBING: 143 Jts. 2-7/8" Nulok with 5 GL mandrels, Otis seal divider, Baker loc-set packer and 70 JTS 2-3/8" Seal-loc tailpipe.

ARTIFICIAL LIFT EQUIP: Gas lift valves at 9625', 10,553', 11,523', 12,467', 13,029'.

PRESENT STATUS: 5-24-77 lost P.C. tools at 13,120'; 6-9-77 push tools out of tailpipe at 15,531'. 6-26-77 had first indication of problem in tubing at 8750'; 2" tubing stop would not go but a 2" SN plug was run and set in nipple at pkr 6-29-77. Changed out all G.L. valves and dropped valve down on top of SN plug. 7-10-77 moved in Western rig; pulled G.L. valve from mandrel at 13,039'. Reverse circ. at 900 psi before and after pulling valve. Reverse out heavy mud?? Could not release Lok-set pkr. Ran imp. blk.; showed G.L. valve on top PN plug. Ran 2-1/4" imp. blk.; showed partially collapsed tubing or pin at 8750' - rigged down and left shut in to prepare AFE. 8-19-78 to 9-12-78 attempted to C/O and repair casing found casing collapsed and milling operation resulted in sidetracking out side of casing. Ran free point. 7-5/8" free at 5000'±. Shut down to prepare AFE.

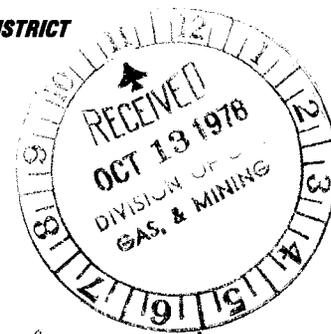
PREPARED BY: \_\_\_\_\_ JDH DATE: October 10, 1978



**mapco**  
INC.

**PRODUCTION DIVISION - NORTHERN DISTRICT**

October 11, 1978



State of Utah  
Department of Natural Resources  
Division of Oil & Gas Conservation  
1588 West North Temple  
Salt Lake City, Utah 84116

Attention: Cleon R. Feight

*Re-completion*

Application for Permit to Redrill  
Allred 1-16, Section 16, T. 1 S.,  
R. 3 W., Duchesne County, Utah  
CA-96-000087

*Spot*  
This appears to be  
the only reasonable  
method of utilizing  
the presently existing  
well - bore.

mit to redrill the subject well for  
River Zone. When this well was  
15) excellent oil shows in the Green  
en River was not tested and production  
in the immediate area, although the  
t.

atch Zone was plagued with problems  
duced approximately 200,000 Bbl. of  
eated. The mechanical condition of  
ed at 8750' and sidetracked at that  
e to make any further attempts to  
erefore proposed to pull as much  
e well to test the Lower Green River.

rig availability problems at this  
w drilling for Bow Valley Industries,  
about October 20 - 25th to do this  
y in the area, which has the depth  
o take advantage of this opportunity.  
his application is requested.

truly yours,

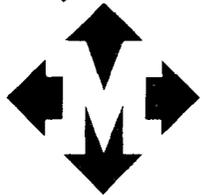
MAPCO Inc.

*J. D. Holliman*

J. D. Holliman  
Manager of Operations  
Northern District

Enclosure  
JDH/jv

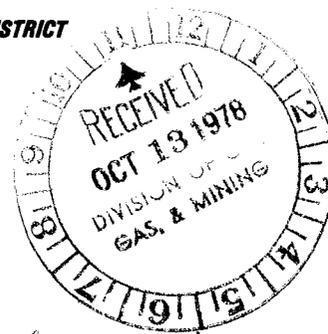
SUITE 320 • PLAZA WEST • 1537 AVENUE D. • BILLINGS, MONTANA 59102 • A/C 406 248-7406  
cc: Edgar Guynn, USGS



**mapco**  
INC.

PRODUCTION DIVISION - NORTHERN DISTRICT

October 11, 1978



State of Utah  
Department of Natural Resources  
Division of Oil & Gas Conservation  
1588 West North Temple  
Salt Lake City, Utah 84116

Attention: Cleon B. Feight

Re: Application for Permit to Redrill  
Allred 1-16, Section 16, T. 1 S.,  
R. 3 W., Duchesne County, Utah  
CA-96-000087

*Re-completion*

Dear Mr. Feight:

Attached is an application for permit to redrill the subject well for a completion attempt in the Lower Green River Zone. When this well was drilled originally there were fifteen (15) excellent oil shows in the Green River from 10,000' to 12,200'. The Green River was not tested and production has not been established from this zone in the immediate area, although the zone is productive six miles to the east.

The original completion in the Wasatch Zone was plagued with problems from the beginning. The Wasatch has produced approximately 200,000 Bbl. of oil and is considered at least 75% depleted. The mechanical condition of the well, with the 7-5/8" casing collapsed at 8750' and sidetracked at that point, makes it economically unattractive to make any further attempts to salvage the existing borehole. It is therefore proposed to pull as much 7-5/8" casing as possible and redrill the well to test the Lower Green River.

I'm sure you are familiar with the rig availability problems at this time. We have a rig (Loffland Rig #1 now drilling for Bow Valley Industries, formerly Flying Diamond Corp.) available about October 20 - 25th to do this work. Since it is the only rig currently in the area, which has the depth capability for this job, we would like to take advantage of this opportunity. Therefore, your early consideration of this application is requested.

Very truly yours,

MAPCO Inc.

*J. D. Holliman*  
J. D. Holliman  
Manager of Operations  
Northern District

Enclosure  
JDH/jv

SUITE 320 • PLAZA WEST • 1537 AVENUE D. • BILLINGS, MONTANA 59102 • A/C 406 248-7406  
cc: Edgar Guynn, USGS

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPPLICATE\*  
(Other instructions on reverse side)

**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 "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR <i>SHELL OIL COMPANY</i></p> <p>3. ADDRESS OF OPERATOR <i>P.O. Box 831 HOUSTON, TX 77001 ATTN: P.G. GELLING RM. #6459WCK</i></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <i>2340' FNL + 660' FEL SEC. 33</i></p> <p>14. PERMIT NO.</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. <i>PATENTED</i></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME <i>POWELL</i></p> <p>9. WELL NO. <i>1-33A3</i></p> <p>10. FIELD AND POOL, OR WILDCAT <i>ALTA MOUNT</i></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <i>SE4 NE14 T15 R3W</i></p> <p>12. COUNTY OR PARISH <i>DUCHESSNE</i></p> <p>13. STATE <i>UTAH</i></p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) <i>6222' KB</i></p>		

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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*

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

SIGNED *W.F.N. Keldore* TITLE *DIVISION PROD. ENGINEER* DATE *1-20-82*  
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 345  
ISSUED 11/24/81

WELL: POWELL 1-33A3  
 LABEL: FIRST REPORT  
 AFE: 515927  
 FOREMAN: KC LAROSE  
 RIG: W.O.W. # 22  
 OBJECTIVE: C.O. PERF. AND STIM. (WASATCH)  
 AUTH. AMNT: 143000  
 DAILY COST: 2750  
 CUM COST: 2750  
 DATE: 7-8-81  
 ACTIVITY: 7-8-81 STATUS: W.O. # 515927 IS TO C.O. PERF.  
 AND STIMULATE THE WASATCH FOR THE AMOUNT OF 143000  
 \*02\* THIS IS THE FIRST REPORT.  
 \*03\* 7-8-81 ACTIVITY: MIRU PLED OFF THE BACKSIDE  
 \*04\* AND TRG INSTALLED BOPS RELEASED PKR POOH S.D.O.N.  
 \*05\*

LABEL: -----  
 DAILY COST: 3250  
 CUM COST: 6000  
 DATE: 7-9-81  
 ACTIVITY: 7-9-81 ACTIVITY: RIN WITH 2 7/8 IN TRG AND 4 3/4 IN  
 \*02\* MILL. TAGGED SCALE AT 13154 FT. RIGGED UP POWER  
 \*03\* SWIVEL. PUMPED 500 PBL OF WTR BUT COULD NOT CATCH  
 \*04\* CIRCULATION. PULLED 30 STANDS TO GET OUT OF LINER  
 \*05\* BEFORE SHUTTING DOWN. SDON.  
 \*06\* 7-10-81 STATUS: CO LINER

LABEL: -----  
 DAILY COST: 4200  
 CUM COST: 12200  
 DATE: 7-10-11-81  
 ACTIVITY: 7-10-81 ACTIVITY: RUN IN LINER WITH TUBING AND 4 3/4 IN.  
 \*02\* MILL - PICKED UP POWER SWIVEL - RIG UP PUMP TRUCK -  
 \*03\* PUMPED WTR DOWN BACK SIDE WHILE MILLING - ONLY  
 \*04\* MADE 91 FT. RIG PUMP TRUCK DOWN - LAYED DOWN POWER  
 \*05\* SWIVEL - PULLED OUT OF LINER. SDON.  
 \*06\* 7-11-81 ACTIVITY: RUN IN LINER WITH TUBING AND 4 3/4 IN.  
 \*07\* MILL - PICKED UP POWER SWIVEL - PUMPED WTR DOWN  
 \*08\* BACK SIDE WHILE MILLING - ONLY MADE 8 IN. LAYED  
 \*09\* DOWN POWER SWIVEL POOH. SDON.

ALTIAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 345  
ISSUED 11/24/81

LABEL: -----  
DAILY COST: 6350  
CUM COST: 17550  
DATE: 7-13-81  
ACTIVITY: 7-13-81 ACTIVITY: PULLED OUT OF THE HOLE WITH WET  
\*02\* STRING - MILL AND 1 JOINT WAS PLUGGED WITH SCALE -  
\*03\* PUT ON NEW 4 1/2 IN MILL - RIH - SPOTTED 1500 GALS  
\*04\* OF 15% DOUBLE INHIBITED ACID. SDON  
\*05\* 7-14-81 STATUS: C.O. LINER.

LABEL: -----  
DAILY COST: 7150  
CUM COST: 24700  
DATE: 7-14-81  
ACTIVITY: 7-14-81 ACTIVITY: RUN IN 5 1/2 INCH LINER WITH  
\*02\* 4 1/2 INCH MILL AND TRG. TAGGED SCALE AT 13325 FT.  
\*03\* PICKED UP POWER SWIVEL STARTED MILLING WHILE  
\*04\* PUMPING WATER DOWN BACKSIDE ONLY MADE 4 FT. MILL  
\*05\* WOULD NOT TORQUE UP LAYED POWER SWIVEL DOWN.  
\*06\* P.O.C.H. S.D.O.N.

LABEL: -----  
DAILY COST: 2450  
CUM COST: 27150  
DATE: 7-15 AND 7-16-81  
ACTIVITY: 7-15-81 ACTIVITY: POOH MILL WAS PLUGGED OFF WITH  
\*02\* SCALE PUT ON A NEW 4 1/2 INCH MILL R.I.H. STAYED  
\*03\* UP ABOVE LINER TOP. S.D.O.N.  
\*04\* 7-16-81 STATUS: C.O. 5 1/2 INCH LINER.

LABEL: -----  
DAILY COST: 3150  
CUM COST: 30300  
DATE: 7-16-81  
ACTIVITY: 7-16-81 ACTIVITY: RUN IN LINER WITH 4 1/2 IN. MILL  
\*02\* AND TUBING - TAGGED SCALE @13329 FT. - MILLED DOWN  
\*03\* TO PBTD 13700 FT. LAYED POWER SWIVEL BACK - POOH  
\*04\* LAYING DOWN 40 JTS. OF 2 7/8 IN. WORK STRING. GOT  
\*05\* READY TO PERFORATE. SDON.  
\*06\* 7-17-81 STATUS: PERFORATE AND RUN PACKER IN HOLE  
\*07\* GET READY TO ACIDIZE.

ALTAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 345  
ISSUED 11/24/81

LABEL: -----  
DAILY COST: 3750  
CUM COST: 98000  
DATE: 7-17-18-20-81

ACTIVITY: 7-17-81 ACTIVITY: POOH RIG UP OWP RIH PERFORATED  
\*02\* FROM 13683 FT. TO 13147 FT. AS PROG CALLED FOR 3  
\*03\* SHOTS PER FT. - 66 NEW HOLES - POOH LAYED DOWN GUN.  
\*04\* PICKED UP A 3 1/8 CASING GUN - RIH PERFORATED FROM  
\*05\* 13137 TO 12648 FT AS PROG CALLED FOR 3 SHOTS PER FOOT  
\*06\* 67 NEW HOLES - POOH - RIG OWP DOWN - PICKED UP 5 1/2 IN.  
\*07\* PACKER - RIH - LANDED PACKER @12610 FT. SDON.  
\*08\* 7-18-81 ACTIVITY: RIG UP DOWELL - PUT TWO PUMP TRUCKS  
\*09\* ON BACKSIDE. KEPT 1800# ON IT -ACIDIZED WELL W/500  
\*10\* BBLs OF 7 1/2 PERCENT ACID AND 110 BBLs OF FLUSH WTR.  
\*11\* TOTAL OF 710 BBLs OF FLUID - 4000# RAF. 200 BALL  
\*12\* SEALERS MAX RATE 18 BBL PER MIN. AVG RATE 15 BBL PER MIN.  
\*13\* MIN. RATE 11 BBL PER MIN. MAX PRESS 8300# - AVG  
\*14\* PRESS 7800# MIN PRESS 6500# 2#ISIP. WELL WENT ON  
\*15\* VACUUM - RIG DOWELL DOWN RIG UP OWP RIH AND RUN A  
\*16\* RA LOG FROM PBTD TO 12500 FT. POOH SDON.  
\*17\* 7-19-81 STATUS: SUNDAY SD  
\*18\* 7-20-81 ACTIVITY: WELL HAD 825# ON IT - FLOWED WELL  
\*19\* TO BATTERY PRESSURE WENT TO 0# AFTER 2 HRS.  
\*20\* RELEASED PACKER - POOH SDON  
\*21\* 7-21-81 STATUS: PERFORATE

LABEL: -----  
DAILY COST: 18550  
CUM COST: 111550  
DATE: 7-21-81

ACTIVITY: 7-21-81 ACTIVITY: RIG UP O.W.P. R.I.H. AND SET  
\*02\* C.I.B.P. AT 12610 FT. P.O.O.H. PUT ON A 3 1/8  
\*03\* INCH CSG. GUN R.I.H. PERFORATED FROM 12580 FT.  
\*04\* TO 12129 FT. AS PROG. CALLED 3 SHOTS PER FOOT.  
\*05\* 22 SELECTIONS 66 NEW HOLES P.O.O.H. LAYED DOWN  
\*06\* GUN PUT ON A 3 1/8 CASING GUN R.I.H. PERF. FROM  
\*07\* 12108 FT. TO 11949 FT. AS PROG. CALLED FOR  
\*08\* 3 SHOTS PER FOOT 11 SELECTIONS 33 NEW HOLES P.O.O.H.  
\*09\* LAYED DOWN GUN PUT ON A 3 1/8 INCH CSG. GUN R.I.H.  
\*10\* PERF. FROM 11931 FT. TO 11380 FT. AS PROG. CALLED  
\*11\* FOR- 3 SHOTS PER FOOT 22 SELECTIONS 66 NEW HOLES  
\*12\* P.O.O.H. LAYED DOWN GUN RIG

ALTIAMONT OPERATIONS  
DAILY COMPLETIONS AND REMEDIALS REPORT  
WELL HISTORY FOR WELL 345  
ISSUED 11/24/81

\*13\* C.W.P. DOWN PUT ON A 5 1/2 INCH FULLBORE PKR.  
\*14\* R.I.H. LANDED PKR. AT 11350 FT. TOOK BOPS OFF INSTALLED  
\*15\* 10000# FRACK TREE FILLED BACKSIDE PSI CHECKED TO  
\*16\* 2500 # OK S.D.O.N.

LABEL: -----  
DAILY COST: 39150  
CUM COST: 149700  
DATE: 7-22-81  
ACTIVITY: 7-22-81 ACTIVITY: RIG UP WESTERN OF NORTH AMERICA  
\*02\* ACIDIZED WELL WITH 25000 GALS. OF 7 1/2% ACID 110  
\*03\* BRLS. FLUSH WATER 200 BALL SEALERS 4000# BAF  
\*04\* HELD 2500# ON BACKSIDE WHILE DOING THE JOB.  
\*05\* MAX RATE 12 BRLS. PER MIN. MIN RATE 9 BRLS PER MIN.  
\*06\* AVG. RATE 10 1/2 BRLS. PER MIN. MAX PSI 8550#  
\*07\* MIN PSI 7900# AVG. PSI 8500# ISDP 2450# 5 MIN  
\*08\* 1050# 10 MIN. 300# WENT ON VACUUM AFTER 10 MIN.  
\*09\* RIG WESTERN DOWN RIG UP O.W.P. R.I.H. RUN S.A. LOG  
\*10\* FROM 12610-11200 FT. P.O.O.H. RIG O.W.P. DOWN.  
\*11\* S.D.O.N.

LABEL: -----  
DAILY COST: 3150  
CUM COST: 152850  
DATE: 7-23 AND 7-24-81  
ACTIVITY: 7-23-81 ACTIVITY: WELL HAD 500 # ON IT BLEED  
\*02\* WELL OFF TOOK 2 1/2 HRS. PUMPED WATER DOWN TBG.  
\*03\* AND KILLED WELL. RELEASED PKR. AND P.O.O.H.  
\*04\* PUT ON A 4 1/2 INCH MILL AND R.I.H. S.D.O.N.  
\*05\* 7-24-81 STATUS: MILL OUT C.I.B.P.

LABEL: 810727  
DAILY COST: 5700  
CUM COST: 158550  
DATE: 7-24-25-81  
ACTIVITY: 7-24-81 ACTIVITY  
\*02\* 7-24-81 ACTIVITY: RIG W/4 1/2 IN. MILL MILLED OUT  
\*03\* CIBP PUCHED IT TO THE BOTTOM POOH TOOK MILL OFF  
\*04\* RUN 2000 FT. OF KILL PIPE SDON  
\*05\* -----  
\*06\* 7-25-81 ACTIVITY: KILLED WELL PULLED 2000 FT. OF  
\*07\* KILL PIPE OUT OF THE HOLE PUT ON A 75/8 IN. FULL

ALTAMONT OPERATIONS  
 DAILY COMPLETIONS AND REMEDIALS REPORT  
 WELL HISTORY FOR WELL 345  
 ISSUED 11/24/81

\*08\* BORE PKR PIH WHILE PICKING UP GAS LIFT MANDRELS  
 \*09\* SET PKR @ 11250 FT. TOOK ROPS OFF INSTALLED 5000  
 \*10\* PSI PRODUCTION TREE HOOKED UP FLOW LINE AND GAS  
 \*11\* LIFT LINE RELEASED RIG SDON

LABEL: 810728  
 DAILY COST: 810728  
 CUM COST: 158550  
 DATE: 7-27-81  
 ACTIVITY: 7-27-81 ACTIVITY: HRS 20-OIL 184-WTR 0-MCF GAS 547  
 \*02\* CHOKE 30/64-FTP 350-CP 1250  
 \*03\* INJ GAS 502

LABEL: 810729  
 DAILY COST: 810729  
 CUM COST: 158550  
 DATE: 7-28-81  
 ACTIVITY: 7-28-81 ACTIVITY: HRS 24-OIL 121-WTR 22-MCF GAS 540  
 \*02\* CHOKE 30/64-FTP 175-CP 1250-INJ GAS 304

LABEL: 810730  
 DAILY COST: 810730  
 CUM COST: 158550  
 DATE: 7-29-81  
 ACTIVITY: HRS. 24 - BBLs. OIL 99 - BBLs. WTR 134 - MCF 506  
 \*02\* CHOKE 30/64 - FTP 100 - CP 1250 - INJ. GAS 274

LABEL: 810805  
 DAILY COST: 810805  
 CUM COST: 158550  
 DATE: 7-30-31-81 8-1-2-81  
 ACTIVITY: 7-30-81 HRS. 24 - BBLs OIL 67 - BBLs WTR 153 - MCF 546  
 \*02\* CHOKE 30/64 - FTP 250 CP 1250 INJ. GAS 345  
 \*03\* 7-31-81 HRS. 24 - BBLs OIL 73 - BBLs WTR 180 - MCF 500  
 \*04\* CHOKE 30/64 - FTP 200 - CP 1200 - INJ. GAS 454  
 \*05\* 8-1-81 HRS 24 - BBLs OIL 62 - BBLs WTR 186 - MCF 720  
 \*06\* CHOKE 30/64 - FTP 200 - CP 1250 - INJ GAS 431  
 \*07\* 8-2-81 HRS 24 - BBLs OIL 65 - BBLs WTR 211 - MCF 720  
 \*08\* CHOKE 30/64 - FTP 200 - CP 1250 - INJ GAS 665

Shell Oil Company



P.O. Box 831  
Houston, Texas 77001

December 30, 1983

Mr. Norm Stout  
State of Utah  
Natural Resources  
Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Dear Mr. Stout:

TRANSFER OF OWNERSHIP AND ASSETS  
FROM SHELL OIL COMPANY TO  
SHELL WESTERN E&P INC.  
STATE OF UTAH

In accordance with our recent conversation, the purpose of this letter is to reduce to writing that Shell Western E&P Inc. ("SWEPI"), a subsidiary of Shell Oil Company, has been formed. Shell Western E&P Inc. is a Delaware corporation with its offices located at 200 North Dairy Ashford Road in Houston, Texas. The mailing address is P. O. Box 831, Houston, TX 77001.

Effective January 1, 1984, Shell Oil Company will transfer portions of its oil and gas operations to Shell Western E&P Inc. and Shell Western E&P Inc. will assume all of the rights, interests, obligations and duties which Shell Oil Company currently has as a result of its exploration, development and production operations in the State of Utah.

As you are aware, Shell Oil Company is currently the holder of various permits and agency authorizations. In view of the fact that Shell Western E&P Inc. will assume all of the liabilities and obligations of Shell Oil Company's exploration and production activities within the state, we respectfully request that you transfer all permits or other authorizations from Shell Oil Company to Shell Western E&P Inc., effective January 1, 1984.

To support this request, a copy of the power of attorney appointing the undersigned as Attorney-in-Fact for Shell Western E&P Inc. is enclosed. On behalf of Shell Western E&P Inc., enclosed are recently issued Bond No. Shell 1835 and Bond No. Shell 1841. The bonds were issued by the Insurance Company of North America. In the near future, I shall request that the existing Shell Oil Company bonds be released.

It is my understanding, pursuant to our prior discussion, that this letter will comply with your requirement regarding the change in the name of the permittee.

Sufficient copies of this letter are being provided to your office so that a copy can be placed in each appropriate file. A listing of active wells is enclosed. Thank you in advance for your cooperation in this matter.

Yours very truly,

*G. M. Jobe*

G. M. Jobe  
Administrator, Regulatory-Permits  
Rocky Mountain Division  
Western E&P Operations

GMJ:beb

Enclosures

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

*Duchesne*

UTEX OIL CO. % SHELL WESTERN E&P INC.		N10410
PO BOX 576 HOUSTON TX 77001 ATTN: P.T. KENT, OIL ACCT.	Operator name <i>change</i>	Utah Account No. N0840 Report Period (Month/Year) 8 / 84 Amended Report <input type="checkbox"/>

Well Name	API Number	Entity	Location	Producing Zone	Days Oper	Production Volume			
						Oil (BBL)	Gas (MSCF)	Water (BBL)	
X FARNSWORTH 1-07B4	4301330097	01600 02S 04W 7	WSTC	51	0	0	0	0	
X FARNSWORTH 1-13B5	4301330092	01610 02S 05W 13	WSTC	21	685	2847	4206		
X BROTHERSUN 1-10B4	4301330110	01615 02S 04W 10	WSTC	0	0	0	0		
X BROTHERSUN 2-10B4	4301330443	01615 02S 04W 10	WSTC	23	2785	1640	12686		
X CHATWIN 1-21A4	4301330101	01620 01S 04W 21	GRRV	23	1604	1584	6220		
X POWELL 1-33A3	4301330105	01625 01S 03W 33	WSTC	0	0	0	0		
X BABCOCK 1-12B4	4301330104	01630 02S 04W 12	WSTC	22	923	1016	7871		
X HANSON TRUST 1-05B3	4301330109	01635 02S 03W 5	GR-WS	21	576	1038	4377		
X HANSON 1-32A3	4301330141	01640 01S 03W 32	WSTC	21	65	1069	3080		
X FARNSWORTH 1-12B5	4301330124	01645 02S 05W 12	WSTC	31	2326	546	12710		
X UTE TRIBAL 1-20B5	4301330376	01650 02S 05W 20	WSTC	17	1211	0	1160		
X ELLSWORTH 1-08B4	4301330112	01655 02S 04W 8	WSTC	0	0	0	0		
X ELLSWORTH 1-09B4	4301330118	01660 02S 04W 9	WSTC	20	758	418	4322		
TOTAL						10933	10218	56632	

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date 9-28-84

Authorized signature \_\_\_\_\_

Telephone \_\_\_\_\_

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

PERMIT IN TRIPLICATE -  
(Other instructions on  
reverse side)

010936

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
ANR Limited Inc.

3. ADDRESS OF OPERATOR  
P. O. Box 749, Denver, Colorado 80201-

4. LOCATION OF WELL (Report location clearly and in accordance with any special requirements.\*  
See also space 17 below.)  
At surface

See attached list

RECEIVED  
DEC 31 1986

DIVISION OF  
OIL GAS & MINING

14. PERMIT NO.  
43-013-30105

15. ELEVATIONS (Show whether OF, RT, OR, etc.)

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Powell

9. WELL NO.  
1-33A3

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA  
Sec. 33 15 3w

12. COUNTY OR PARISH 13. STATE  
Duchesne

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) - Change Operator

FULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

ANR Limited has been elected successor Operator to Utex Oil Company on the oil wells described on the attached Exhibit "A".

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

SIGNED

*Don K. Kibben*

TITLE

*Dist. Land Mgr.*

DATE

*12/24/86*

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

**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 "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

Patented Pow-WSTC

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A 120826

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Powell

9. WELL NO.

1-33A3

10. FIELD AND POOL, OR WILDCAT

Altamont

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

(SENE)  
Sec. 33-T1S-R3W

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

ANR Limited Inc.

3. ADDRESS OF OPERATOR

P. O. Box 749, Denver, Colorado 80201-0749

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

2340' FNL & 660' FEL

14. PERMIT NO.

43-013-30105

15. ELEVATIONS (Show whether OF, ST, GR, etc.)

6196' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) Convert to rod pump

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

Converted well from gas lift to rod pump 10-15-87.

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

SIGNED

Brenda W. Swank  
Brenda W. Swank

TITLE

Assoc. Regulatory Analyst

DATE

11-30-87

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. ● (801-538-5340)

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• ANR LIMITED INC./COASTAL  
P O BOX 749  
DENVER CO 80201 0749  
ATTN: RANDY WAHL

Utah Account No. N0235  
Report Period (Month/Year) 11 / 87  
Amended Report

Well Name	Producing	Days	Production Volume				
API Number	Entity	Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
UTE UNIT 1-34A4							
4301330076	01585 01S	04W 34	WSTC				
MONSEN 1-21A3							
4301330082	01590 01S	03W 21	GR-WS				
BROADHEAD 1-21B6							
4301330100	01595 02S	06W 21	WSTC				
FARNSWORTH 1-07B4							
4301330097	01600 02S	04W 7	WSTC				
FARNSWORTH 1-13B5							
4301330092	01610 02S	05W 13	WSTC				
BROTHERSON 1-10B4							
4301330110	01614 02S	04W 10	WSTC				
BROTHERSON 2-10B4							
4301330443	01615 02S	04W 10	WSTC				
CHATWIN 1-21A4							
4301330101	01620 01S	04W 21	GRRV				
POWELL 1-33A3							
4301330105	01625 01S	03W 33	WSTC				
BABCOCK 1-12B4							
4301330104	01630 02S	04W 12	WSTC				
HANSON TRUST 1-05B3							
4301330109	01635 02S	03W 5	GR-WS				
HANSON 1-32A3							
4301330141	01640 01S	03W 32	WSTC				
FARNSWORTH 1-12B5							
4301330124	01645 02S	05W 12	WSTC				
TOTAL							

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete. Date \_\_\_\_\_

Authorized signature \_\_\_\_\_

Telephone \_\_\_\_\_

# ANR

**ANR Production Company**  
a subsidiary of The Coastal Corporation

012712

**RECEIVED**  
JAN 25 1988

DIVISION OF  
OIL, GAS & MINING

January 19, 1988

Natural Resources  
Oil, Gas & Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attention: Ms. Lisha Romero

This letter includes the information you requested on January 12, 1988 concerning the recent merger of ANR Limited, Inc. into ANR Production Company. Effective December 31, 1987 (December, 1987 Production), ANR Limited, Inc. merged into ANR Production Company; and henceforth, will continue operations as ANR Production Company.

N0675 ←

N0235

ANR Production Company will begin reporting and remitting the Utah Conservation and Occupation Taxes effective December, 1987 production for leases previously reported by ANR Limited, Inc. (Utah Account No. N-7245). ANR Production Company will use the new Utah Account No. N-0675, as assigned by the State of Utah.

Please contact me at (713) 877-6167 if I can answer any questions on this matter.

Very truly yours,

*Roger W. Sparks*  
Roger W. Sparks  
Manager, Crude Revenue Accounting

*The computer shows the ANR Limited wells listed under account no. N0235.*  
DTS  
1-26-88

CC: AWS

CTE:mmw

*Lisha,  
I don't see any problem w/this.  
I gave a copy to Arlene so she could check on the bond situation. She didn't think this would affect their bond as the bond is set up for Coastal and its subsidiaries (ANR, etc.) No Entity Number changes are necessary. DTS 1-26-88*

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER:		5. Lease Designation and Serial Number: Fee
2. Name of Operator: ANR Production Company		6. If Indian, Allottee or Tribe Name: N/A
3. Address and Telephone Number: P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476		7. Unit Agreement Name: N/A
4. Location of Well Footages: 2340' FNL & 660' FEL County: Duchesne QQ, Sec., T., R., M.: SE/NE Section 33, T1S-R3W State: Utah		8. Well Name and Number: Powell #1-33A3
		9. API Well Number: 43-013-30105
		10. Field and Pool, or Wildcat: Altamont

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input checked="" type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start <u>6/30/93</u>	Date of work completion _____ Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached stimulation procedure to be performed on the above referenced well.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 6-11-93  
BY: [Signature]

**RECEIVED**  
JUN 10 1993  
DIVISION OF  
OIL, GAS & MINING

13. Name & Signature: [Signature] Title: Regulatory Analyst Date: 6/8/93  
Eileen Danni Dev

(This space for State use only)

## STIMULATION PROCEDURE

Powell #1-33A3  
Altamont Field  
Duchesne County, Utah

### WELL DATA

Location: 2340' FNL & 660' FEL  
Elevation: 6196' GL, 6222' KB  
Total Depth: 15,140' PBD: 13,700'  
Casing: 9-5/8", 47#, CF-95 set @ 6200'  
7-5/8", 39#, S-95 set 5992'-11,530'  
5-1/2", 20# & 23#, S00-95 set 11,334-15,137'  
Tubing: 2-7/8", 6.5#, N-80 set @ 10,549' w/B-2 Anchor Catcher

### TUBULAR DATA

Description	ID	Drift	B/F Capacity	psi Burst	psi Collapse
9-5/8", 47#, CF-95	6.276"	6.151	.0382	7240	5410
7-5/8", 39#, S-95	6.276"	6.151"	.0382	9960	6210
5-1/2", 20#, S00-95	4.276"	4.151	.0177	13940	13450
2-7/8", 6.5#, N-80	2.441"	2.347	.00579	10570	11160

Present Status: Well Presently shutin, last production 8 B0, 90 BW, & 218 MCFD on rod pump from Wasatch perms 11,380-13,687'.

### PROCEDURE

1. MIRU service rig. Kill well. POOH with rods, pump, and tubing.
2. PU 6-1/2" mill on 6-1/2" casing scraper and 2-7/8" tubing and clean out 7-5/8" liner to 11,334'. POOH with tubing and mill. PU 4-1/2" mill on 4-1/2" casing scraper and 2-7/8" tubing and TIH drilling out CIBP at 13,700' and cleaning out 5-1/2" liner to  $\pm 15,101'$ . POOH laying down mill and scraper.
3. Perforate Wasatch 13,718-14,314' with 3 spf and 120° phasing using 3-1/8" casing gun as per attached perforating schedule.
4. PU 7-5/8" x 3-1/2" packer on 3-1/2" tubing and TIH. Set packer @  $\pm 11,250'$ .
5. Acidize Wasatch perms 11,380-14,314' with 24,000 gals 15% HCl with additives and 850 1.1 s.g. ball sealers.
  - A. Precede acid w/250 bbls water w/10 gal per 1000 scale inhibitor and 500 gals diesel.
  - B. All water to contain 3% KCl.
  - C. Acidize in 6 stages of 4000 gals each with diverter stages of 1000 gals gelled saltwater with 1/2#/gal each of Benzoic acid flakes and rock salt.
  - D. Acid to be pumped at maximum rate possible @ 8500 psig maximum pressure.
  - E. All fluids to be heated to 150°F.
5. Flow back acid load. Unseat pkr and POOH, laying down packer.
6. Rerun production equipment and return well to production.

GREATER ALTAMONT FIELD

ANR - Powell #1-33A3  
NE Section 33, T1S, R3W  
Duchesne County, Utah

PERFORATION SCHEDULE

Depth Reference: Schlumberger - Compensated Neutron-Formation  
Density (Run #2, 7/22/72)

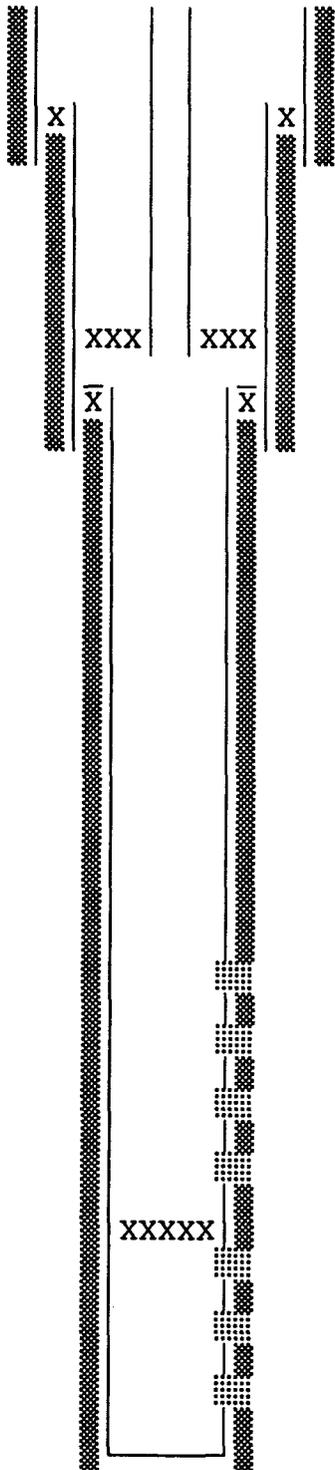
14314	14204	14118	14020	13869
14303	14198	14116	14008	13865
14285	14175	14104	13991	13857
14278	14166	14087	13980	13851
14273	14149	14077	13970	13833
14267	14144	14068	13952	13826
14257	14135	14060	13945	13805
14237	14126	14053	13920	13791
14229	14122	14040	13909	13758
14212	14120	14032	13903	13718

Gross Wasatch Interval 13,718'-14,314', 50 feet, 36 zones

POWELL #1-33A3

SECTION 33-T1S-R3W  
ALTAMONT FIELD

DUCHESNE CO., UTAH



SURFACE CASING: 9-5/8", 47#, CF-95, LT&C SET @ 6200'

TUBING: 2-7/8", 6.5#, N-80 SET @ 10,549' W/ B-2 TUBING ANCHOR.

INTERMEDIATE LINER: 7-5/8", 39#, S-95, LT&C SET @ 5992-11,530'

PRODUCTION LINER: 5-1/2", 20#&23#, SOO-95, SET @ 11,334-15,137'

WASATCH PERFS: 11,380'-13,687'  
TOTAL HOLES: 515

CAST IRON BRIDGE PLUG SET @ 13,700' WITH  
TOP OF FILL @ 13,595'.

TD @ 15,140'      PBD-15,101'

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL  GAS  OTHER: \_\_\_\_\_

2. Name of Operator: ANR Production Company

3. Address and Telephone Number: P. O. Box 749 Denver, CO 80201-0749 (303) 573-4454

4. Location of Well  
Footages: 2340' FNL & 660' FEL  
QQ, Sec., T., R., M.: SE/NE Section 33, T1S-R3W

5. Lease Designation and Serial Number: Fee

6. If Indian, Allottee or Tribe Name: N/A

7. Unit Agreement Name: N/A

8. Well Name and Number: Powell #1-33A3

9. API Well Number: 43-013-30105

10. Field and Pool, or Wildcat: Altamont

County: Duchesne  
State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**NOTICE OF INTENT**  
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other \_\_\_\_\_
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- Abandonment \*
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other \_\_\_\_\_
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of work completion 9/21/93

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological history for the cleanout, perf and acid stimulation procedure performed on the subject well.

REGISTERED  
OCT 08 1993  
DIVISION OF  
OIL, GAS & MINING

13. Name & Signature: Mard D. Ernest Title: Production Superintendent Date: 10/6/93

(This space for State use only)

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

POWELL #1-33A3 (CLEANOUT, PERF & ACIDIZE)  
ALTAMONT FIELD  
DUCHESNE COUNTY, UT  
WI: 81.51525% ANR AFE: 64730

PAGE 3

- 9/15/93 Strip off pkr. Check tbg press - 700 psi. Bleed off. RU to swab. IFL @ 7200'. Swabbed 7 bbls, 80% oil, pH 6. RD swab equip. RIs pkr. LD 355 jts 3½" tbg.  
DC: \$4,464 TC: \$124,871
- 9/16/93 RIH w/rods. LD rest of 3½" tbg. Strip off BOP's & tbg spool. LD 7⅝" pkr. NU tbg spool & BOP's. RIH w/prod as follows: Mtn States 7⅝" B-2 anchor catcher, 4' 2⅝" sub, 2⅝" perf jt, 2⅝" plug, 1-jt 2⅝" tbg, 4½" N-80 PBGA, 6' 2⅝" sub, SN, 417 jts 2⅝". LD 62 jts. Remove BOP's, set 7⅝" anchor @ 10,530' w/20,000# tension, SN @ 10,426'.  
DC: \$3,935 TC: \$128,806
- 9/17/93 Well on production. RIH w/Highland 2½" x 1½" x 26½" pump, 9 - 1" w/guides, 136 - ¾", 136 - ⅞", 131 - 1". Seat pump. PT to 500 psi - hold. RD rig, place well on pump.  
DC: \$5,590 TC: \$134,396
- 9/17/93 Pmpd 62 BO, 115 BW, 117 MCF, 16 hr.
- 9/18/93 Pmpd 107 BO, 147 BW, 213 MCF.
- 9/19/93 Pmpd 128 BO, 108 BW, 194 MCF, 8.2 SPM.
- 9/20/93 Well on production - pmpd 150 BO, 98 BW, 182 MCF, 8.2 SPM. RD rig, clean location. Prep to move out.  
DC: \$613 TC: \$135,009
- 9/21/93 Pmpd 114 BO, 129 BW, 182 MCF, 8.2 SPM.
- Prior prod: 0 BO, 0 BW, 0 MCF. Final report.

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

POWELL #1-33A3 (CLEANOUT, PERF & ACIDIZE)  
ALTAMONT FIELD  
DUCHESNE COUNTY, UT  
WI: 81.51525% ANR AFE: 64730

PAGE 2

- 8/31/93 RIH w/4-3/4" mill shoe, WP & junk baskets. RIH w/4-1/2" OS w/cutrite & 2-7/8" grapple, extension, bumper sub, jars. RIH with 2-7/8" tbg. Began pmpg down 2-7/8" tbg. Tag @ 12,407'. Mill to 12,409' - not making hole. POOH w/2-7/8" tbg. LD jars, bumper sub & overshot. Scar marks along side of OS. Fish had been in OS 1".  
DC: \$5,534 TC: \$42,110
- 9/1/93 POOH w/washover shoe. RIH with 4-7/16" OD x 2-15/16" ID shoe, washpipe, 3 junk baskets, bumper sub, jars, 2-7/8" tbg. Tag @ 12,408'. Pump down tbg 1 to 1.5 BPM. Mill on fish for 5 hrs. Mill to 12,416'. PU, find TOF @ 12,410'. POOH w/180 jts 2-7/8" tbg.  
DC: \$6,571 TC: \$48,681
- 9/2/93 Operations suspended. Cont to POOH w/2-7/8" tbg. ID of shoe worn to 3-1/4". CO junk baskets - full of fill, metal fillings and chunks of metal. RIH w/4-1/2" OD overshot (3-3/8" ID) w/2 extension bowls (6'), 2-7/8" grapple, 2 junk baskets, bumper sub, jars, 2-7/8" tbg. Tag @ 12,410', rotate drop over to 12,415'. Would drag for 20-25,000# for 5-6' then slip off. Pump 90 bbls prod wtr down tbg w/OS @ 12,415'. Fell to 12,420'. Pull to 100,000#, work tbg out dragging bad first 4 jts. POOH w/2-7/8" tbg. LD. BHA did not have fish. OS guide egg shaped (3/4" in), extension bowl bent, 2 junk baskets full of fmn (cmt, shale) & metal pieces. One junk basket barrel torn, skirt torn (2" piece gone). Possible csg problems.  
DC: \$5,350 TC: \$54,031
- 9/3/93 Operations suspended. Load out fishing tools. Poling co-owners on revised procedure, WO orders. Drop from report until further activity.  
DC: \$1,696 TC: \$55,727
- 9/9/93 PU 3 1/2" tbg. RU Cutters. RIH w/5 1/2" CIBP, set @ 12,400'. RIH w/2 sx cmt-bailer. Leave on top of plug, est top @ 12,394'. Perf U. Wasatch @ 11,308'-12,304'.
- | <u>Run #</u> | <u>Interval</u> | <u>Feet</u> | <u>Holes</u> | <u>FL</u> |
|--------------|-----------------|-------------|--------------|-----------|
| 1            | 12,304'-11,752' | 21          | 63           | 8800'     |
| 2            | 11,666'-11,334' | 21          | 63           | 8800'     |
| 3            | 11,330'-11,308' | 3           | 9            | 8800'     |
|              | Total           | 45          | 135          |           |
- RD Cutters. Change equip to 3 1/2" tbg.  
DC: \$14,460 TC: \$70,187
- 9/10/93 PU 3 1/2" tbg. RIH w/7/8" HD pkr, 1 jt 3 1/2" tbg. Unload 3 1/2" tbg. PU 253 jts 3 1/2" tbg, tallying.  
DC: \$3,790 TC: \$73,977
- 9/13/93 PU & RIH w/3 1/2" tbg. Prep to run 3 1/2" tbg.  
DC: \$2,762 TC: \$76,739
- 9/14/93 Swab. Bleed off well. Tally & PU 117 jts 3 1/2" tbg. Set 7/8" HD pkr @ 11,200' w/35,000# compression. Pump 450 bbls prod wtr down csg. PT to 2000 psi. RU Dowell to acidize. Acidize perfs 11,308'-12,385' w/18,000 gal HCl, BAF, rock salt, 500 gal diesel, 600 - 1.1 BS's. Max press 9083#, max rate 26.4 BPM, avg press 8500#, avg rate 21 BPM. ISIP 3750#, 5 min 2650#, 10 min 1325#, 15 min 540#, total load 955 bbls. Good diversion. RD Dowell. RU to swab. Made 10 swab runs, IFL @ 5600', FFL @ 6200'. No oil recovered. Rec 67 BF, TLTR 888 bbls, pH 6 on last run.  
DC: \$43,668 TC: \$120,407

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

POWELL #1-33A3 (CLEANOUT, PERF & ACIDIZE)  
ALTAMONT FIELD  
DUCHESNE COUNTY, UT  
WI: 81.51525% ANR AFE: 64730  
TD: 15,140' PBDT: 13,700'  
5 1/2" LINER @ 11,334'-15,137'  
PERFS: 11,308'-12,385' (WASATCH)  
CWC(M\$): 129.0

PAGE 1

- 8/16/93 POOH w/prod tbg. RU rig. Pull pump off seat. Seat pump, PT tbg to 800 psi, hold. POOH w/107 - 1", 115 - 7/8", 164 - 3/4", 26 - 1" w/guides worn. LD pump. Remove pump tee. Rls 7-5/8" anchor. Install BOP's.  
DC: \$4,049 TC: \$4,049
- 8/17/93 Operations suspended. POOH w/240 jts 2-7/8". Clean cellar. SD operations for crew to work on the Iorg #2-10B3 completion.  
DC: \$1,642 TC: \$5,691
- 8/23/93 POOH w/scrapper. Kill well. Finish POOH w/2-7/8" tbg. LD SN, 6' sub, 4-1/2" PBGA, 1 jt 2-7/8" (full of drlg mud) plug, 2-7/8" perf jt, 4' sub, 7-5/8" anchor. RU BOPE. RIH w/6-1/2" drag bit, 7-5/8" scraper, XO, 355 jts 2-7/8" tbg. PU 31 jts 2-7/8", tag 5-1/2" liner. Start POOH w/tbg.  
DC: \$3,491 TC: \$9,182
- 8/24/93 Rls pkr, BP. Bleed off well. POOH with 2-7/8" tbg, scraper. RIH with Mtn States 7-5/8" B-2 BP, retr hd, 7-5/8" HD pkr, SN, 384 jts 2-7/8". Set BP @ 11,292'. PU, set 7-5/8" pkr @ 11,256'. Pump 61 bbls prod wtr to fill tbg. PT to 1000 psi, FL @ 10,528'. Hold 15 min, good. Pump 550 bbls prod wtr. PT csg to 2000 psi, hold 15 min. Good bleed off csg.  
DC: \$6,117 TC: \$15,299
- 8/25/93 CO 5-1/2". Bleed gas off. Rls 7-5/8" pkr, latch onto BP, equalize and rls BP (equalized & rls'd very easy). POOH w/2-7/8" tbg. LD pkr, BP. RIH with 4-1/2" bladed mill, check, 1-jt 2-7/8", check, 29 jts 2-7/8", safety jt, bailer, drain sub, 354 jts 2-7/8". Stay above 5-1/2" liner.  
DC: \$3,468 TC: \$18,767
- 8/26/93 POOH w/bailer and mill. No pressure on well. RIH to 5-1/2" csg w/4-1/2" mill, bailer. Tag @ 12,409'. Try stroking - no headway. RU swivel. Mill & stroke on scale for 7.5 hrs. Made 11' to 12,420'. Mill worn out. POOH. RD swivel. Pull out of 5-1/2" lnr.  
DC: \$4,881 TC: \$23,648
- 8/27/93 RIH w/4-1/2" impression block. Circ, drain hole @ 7750' w/600 bbls, no circ. POOH w/2-7/8" tbg. Left in well: 9.12' 2-7/8" tbg, flapper, 4-1/2" mill (total length 11.6'). Tbg twisted off. Remove 10" BOP's. Install 6" BOP's. RIH w/4-1/2" impression block on 300 jts 2-7/8".  
DC: \$4,759 TC: \$28,407
- 8/28/93 RIH w/2-7/8" grapple, mill shoe. Cont to RIH w/4-1/2" OD impression block. Tag @ 12,409'. Put 10,000# down. POOH w/2-7/8" tbg & impression block. Impression had 1-1/2" deep gouge & 5/8" wide on outside edge of impression block - tbg sliver.  
DC: \$2,838 TC: \$31,245
- 8/29/93 RIH w/overshot. RIH w/4-3/8" OD overshot w/2-7/8" grapple (with cutrite on the lip & cutrite pods inside), bumper sub, jars, 2-7/8" tbg. Tag @ 12,404'. Turn w/tongs, made 4'. Mill & try to work over fish @ 12,409'. POOH w/2-7/8" tbg. Did not have fish. Jars & bumper sub full of fill, drlg mud. Fish had been into overshot 7". Some scaring alongside overshot.  
DC: \$5,331 TC: \$36,576

RECEIVED

2 15 1994

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
WORKOVER AND COMPLETION FORM

DIVISION OF  
OIL GAS & MINING

COMPANY: ANR PRODUCTION CO., INC COMPANY REP: HALE IVIE

WELL NAME: POWELL #1-33A3 API NO: 43-013-30105

SECTION: 33 TWP: 1S RANGE: 3W

CONTRACTOR: WESTERN OIL WELL SERVICE RIG NUMBER: #12

INSPECTOR: DENNIS L. INGRAM TIME: 4:20 AM/PM DATE: 2/10/94

OPERATIONS AT THE TIME OF INSPECTION: POOH WITH TUBING AND PUMP

=====

WELL SIGN: Y TYPE OF WELL: OIL STATUS PRIOR TO WORKOVER: POW

H2S: N/A ENVIRONMENTAL: OK PIT: NO ROPE: Y

DISPOSITION OF FLUIDS USED: FLAT TANK & TRUCK

PERFORATED: \_\_\_\_\_ STIMULATED: \_\_\_\_\_ SAND CONTROL: \_\_\_\_\_

WATER SHUT OFF: \_\_\_\_\_ WELLBORE CLEANOUT: \_\_\_\_\_ WELL DEEPENED: \_\_\_\_\_

CASING OR LINER REPAIR: \_\_\_\_\_ ENHANCED RECOVERY: \_\_\_\_\_ THIEF ZONE: \_\_\_\_\_

CHANGE OF LIFT SYSTEM: \_\_\_\_\_ TUBING CHANGE: Y OTHER CEMENT SQUEEZE: \_\_\_\_\_

=====

REMARKS:

OPERATOR SAYS THEY WILL MAKE A PUMP CHANGE AND HYDRO-TEST TUBING ON WAY  
IN HOLE -- MAY HAVE A TUBING LEAK.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

Fee

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Powell #1-33A3

9. API Well Number:

43-013-30105

10. Field and Pool, or Wildcat:

Altamont

1. Type of Well:

OIL  GAS  OTHER:

2. Name of Operator:

ANR Production Company

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well

Footages:

2340' FNL & 660' FEL

County:

Duchesne

QQ, Sec., T., R., M.:

SE/NE Section 33-T1S-R3W

State:

Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**NOTICE OF INTENT**

(Submit In Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**

(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon *                 | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other _____    | Lower Seating Nipple                          |

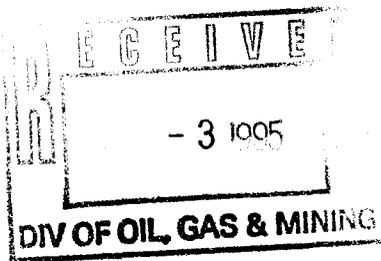
Date of work completion 11/19/94

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached morning reports for work performed to lower seat nipple to enhance production on the subject well.



- 1 - State
- 1 - BLJ/MDE/Tami/File
- 1 - SAC

13.

Name & Signature:

*N.O. Shiflett jeb*

Title:

N.O. Shiflett  
District Drilling Manager

Date:

12/29/94

(This space for State use only)

WESTERN Rig # 18 \* 4691

# COASTAL OIL & GAS MORNING REPORT

DATE 7 Nov 9, 1974

LEASE & WELL 133A3 DRILLING FOREMAN Hal Turc DAYS SINCE RELIEVED 3  
 FIELD/PROSPECT Attamad / BURBANK COUNTY Duchesne STATE Utah  
 DISTRICT \_\_\_\_\_ REPORT TAKEN BY: Hal Turc SPUD DATE: \_\_\_\_\_ DAYS SINCE SPURRED \_\_\_\_\_  
 T.D. \_\_\_\_\_ FT. DRLG. PROGRESS \_\_\_\_\_ FT. IN \_\_\_\_\_ HRS. \_\_\_\_\_ CSG @ \_\_\_\_\_ PBDT \_\_\_\_\_ FT.

ACTIVITY @ REPORT TIME Wells Pumping

HOURS	ACTIVITY LAST 24 HOURS 6:00 a.m. — 6:00 a.m.	CODE NO.	ITEM	DRILLING/COMPLETION COSTS	
				DAILY	CUMULATIVE
7:00am	Pick up TEST used pump. (Huck) 13 1/4" HP 1105) - Hot Oil & had tag	110	ROADS & LOCATIONS		
	Thashed - R & H as follows: pump	120-125	CONTRACTOR CHARGES FOOTAGE, DAY WORK, COMP., WO	910	2845
	9 1/4" W/O - pick up 29 x 3/4" W/O - Rod	130	MUD & CHEMICALS <u>Champion</u>		240
	13 x 3/4" for 11 1/2 x 3/4" - 137 x 3/4"	135-136	CEMENTING SERVICE & FLOAT EQUIPMENT		
	8 1/3 x 1" RODS. (used rods 29 x 3/4" 2 x 3/8")	140	ELECTRIC LOGGING (OPEN HOLE)		
	8 1 x 1" - 1 8' - 1 6' - 1 4' - 1 2' x 1" subs	141	CORING, DST, FMT		
	Polish rod. SPACE out SEAT PIP.	142	MUD LOGGING		
	Fill tag. W/ 48 3/4" W/O - P.T. 500#	145	FISHING TOOLS & SERVICES		
	Hold. Good pump sched. - 4 hrs	146	WATER <u>water</u>		400
	off rods 2 1/2" J.P. above CLAMP	146	FUEL <u>separate (L.O.)</u>	100	275
	Log down Rig - Load Equip - Start	146	BITS		
	(6) Well Pumping - Stop Time 1 hr	147	EQUIPMENT RENTALS <u>1000 - 1000 - Oil Field</u>		500
		175	TRUCKING <u>2 x 700</u>		220
		181	BHP, GOR, POTENTIAL TESTS		
		183	PERF. AND CASSED HOLE LOGS		
		184	ACIDIZING, FRACTURING, ETC.		
			MISC. LABOR & SERVICES <u>Willies</u>	250	1050
		190	SUPERVISION	350	1050
<b>TOTAL INTANGIBLES</b>				1160	6880
TANGIBLE ITEMS CHARGED TODAY: (DESCRIBE) 29 x 3/4" 2 x 3/8" 1 x 1" RODS. 3100 <sup>00</sup>				200	3100
<b>TOTAL TANGIBLES (CSG, ETC)</b>				3100	7100
<b>TOTAL COSTS</b>				4710	13,680

### DRILLING MUD PROPERTIES

WT. (#/GAL) \_\_\_\_\_ VIS (SEC.) \_\_\_\_\_ F.L. 100# (cc) \_\_\_\_\_ HIGH TEMP. F.L. @ 300 PSI \_\_\_\_\_ P.V. (CP) \_\_\_\_\_ Y.P. (LB/100 FT<sup>3</sup>) 685  
 % OIL \_\_\_\_\_ % LCM \_\_\_\_\_ % SOLIDS \_\_\_\_\_ ES/pH \_\_\_\_\_ ALK.:P<sub>i</sub> \_\_\_\_\_ Ex. Lm. \_\_\_\_\_ CL (PPM) \_\_\_\_\_  
 OWR/Ca \_\_\_\_\_ GELS (LB/100 FT<sup>3</sup>): 0" \_\_\_\_\_ 10" \_\_\_\_\_ CAKE (32 ND") \_\_\_\_\_ MBT \_\_\_\_\_ LB/BBL \_\_\_\_\_

### PUMP DATA:

NO. 1: MODEL \_\_\_\_\_ LINER SIZE \_\_\_\_\_ X \_\_\_\_\_ " SPM \_\_\_\_\_ GPM \_\_\_\_\_ PUMP PRESS \_\_\_\_\_  
 NO. 2: MODEL \_\_\_\_\_ LINER SIZE \_\_\_\_\_ X \_\_\_\_\_ " SPM \_\_\_\_\_ GPM \_\_\_\_\_ PUMP PRESS \_\_\_\_\_

### DRILLING STRING:

D.P. SIZE & TYPE \_\_\_\_\_ D.C. THD \_\_\_\_\_ NO. D.C. \_\_\_\_\_ LENGTH \_\_\_\_\_ O.D. \_\_\_\_\_ I.D. \_\_\_\_\_  
 EFF. WT. OF D.C. \_\_\_\_\_ BHA \_\_\_\_\_

### BIT RECORD:

BIT NO.	SIZE	MFR.	TYPE	SERIAL NO.	JETS 32nd			DEPTH OUT	TOTAL THIS BIT			CUM. HRS.	COND. DULL		
					1	2	3		FEET	HRS.	FT./HR.		T	B	G

WT. ON BIT \_\_\_\_\_ OOO# R.P.M. \_\_\_\_\_ ANN. VEL.: DP \_\_\_\_\_ DC \_\_\_\_\_ SURF. HHP \_\_\_\_\_  
 BIT H.P. \_\_\_\_\_ % HHP THRU BIT NOZ \_\_\_\_\_ NOZ. VEL \_\_\_\_\_ REDUCED RATE PUMP PRESS \_\_\_\_\_ PSI @ \_\_\_\_\_ SPM

**DEPTHS & INCLINATIONS**      **SOLIDS CONTROL EQPT. USED**      **MUD USED**  
 \_\_\_\_\_ FT. \_\_\_\_\_ DEG.      SHALE SHAKER(S) \_\_\_\_\_ HRS.      \_\_\_\_\_  
 \_\_\_\_\_ FT. \_\_\_\_\_ DEG.      DESANDER \_\_\_\_\_ HRS.      \_\_\_\_\_  
 \_\_\_\_\_ FT. \_\_\_\_\_ DEG.      DESILTER/MUD CLEANER \_\_\_\_\_ HRS.      \_\_\_\_\_  
 \_\_\_\_\_ CENTRIFUGE \_\_\_\_\_ HRS.      \_\_\_\_\_

BOP/PT DRILL: TIME OF DAY \_\_\_\_\_ REACTION TIME \_\_\_\_\_ MIN. W/ \_\_\_\_\_ FT. DOWN ON KELLY

NOTE: USE REVERSE SIDE OF WHITE COPY FOR CASING/TUBING DETAIL  
 DISTRIBUTION: DISTRICT ► WHITE - DIST. FILE      CANARY - REGION FILE      PINK - DIST. EXPL.  
 FOREMAN ► WHITE - DIST. OFFICE      CANARY - RIG      PINK - FOREMAN FILE      011-5014 (REV. 6/80)

WESTERN RIG #18 \* 4690

# COASTAL OIL & GAS MORNING REPORT

DATE Friday  
Nov 18, 1994

LEASE & WELL POWELL # 1-33A3 DRILLING FOREMAN H. L. LUIE DAYS SINCE RELIEVED 2

FIELD/PROSPECT Altamont / Bingham COUNTY Duchesne STATE Utah

DISTRICT \_\_\_\_\_ REPORT TAKEN BY: H.L. SPUD DATE: \_\_\_\_\_ DAYS SINCE SPURRED \_\_\_\_\_

T.D. \_\_\_\_\_ FT. DRLG. PROGRESS \_\_\_\_\_ FT. IN \_\_\_\_\_ HRS. \_\_\_\_\_ CSG @ \_\_\_\_\_ P.B.T.D. \_\_\_\_\_ FT.

ACTIVITY @ REPORT TIME R.C.H. 4 RODS ETC.

HOURS	ACTIVITY LAST 24 HOURS 8:00 a.m. - 6:00 a.m.	CODE NO.	ITEM	DRILLING/COMPLETION COSTS	
				DAILY	CUMULATIVE
A.F.E					
7:00 AM	Hot Over pump down 29 - Blued				
	press old top - pull up on rods	110	ROADS & LOCATIONS		
	Worked off. Finally got pump off	120-125	CONTRACTOR CHARGES FOOTAGE, DAY WORK, COMP., WO	1650	1935
	Stat. Conlon + Flush Rods, 200ft	130	MUD & CHEMICALS <u>Chond'ed</u> <u>GRAHLEED</u>	170	240
	4 rods & pump. Forced - p. Flush	135-136	CEMENTING SERVICE & FLOAT EQUIPMENT		
	Ann. Coat, 200ft - lay on well	140	ELECTRIC LOGGING (OPEN HOLE)		
	pump (concrete) used. Chg Equip to	141	CORING, DST, FMT		
	Top - Release 7 7/8" AIC @ 10,530'	142	MUD LOGGING		
	R.C.H. 41 Top Top 5' LT @ 11,334'	145	FISHING TOOLS & SERVICES		
	pull up to 1st connection. 1000ft	146	WATER <u>used</u>		480
	260 ft Top. To 281 ft above SW - 5' top	146	FUEL <u>expense (L.L.)</u>	15	175
	off 300' etc. SKI 7 7/8" AIC @ 11,308'	146	BITS		
	SW @ 11,204.30' (last top w/ 20000')	147	EQUIPMENT RENTALS <u>TRUCK RENTALS - OILFIELD</u>	300	500
	Feosion on Top - just wear head	175	TRUCKING <u>TRUCK</u>	220	220
	etc. work together. Chg Equip	181	BHP, GOR, POTENTIAL TESTS		
(10/12)	back in 2000. 5'30' in SW case.	183	PERF. AND CASSED HOLE LOGS		
		184	ACIDIZING, FRACTURING, ETC.		
			MISC. LABOR & SERVICES <u>585 - B.H. Long - 4/25/94</u>	550	800
		190	SUPERVISION	525	700
<b>TOTAL INTANGIBLES</b>				<b>3450</b>	<b>4970</b>
TANGIBLE ITEMS CHARGED TODAY: (DESCRIBE) 260 ft Top. 3500'				200	<b>TOTAL TANGIBLES (CSG, ETC.)</b> <b>4000</b>
Highland 1 7/8" pump. 500'					<b>TOTAL COSTS</b> <b>7450</b>
					<b>8970</b>

**DRILLING MUD PROPERTIES**

WT. (#GAL) \_\_\_\_\_ VIS (SEC.) \_\_\_\_\_ F.L. 100# (cc) \_\_\_\_\_ HIGH TEMP. F.L. @ 300 PSI \_\_\_\_\_ P.V. (CP) \_\_\_\_\_ Y.P. (LB/100 FT) \_\_\_\_\_

% OIL \_\_\_\_\_ % LCM \_\_\_\_\_ % SOLIDS \_\_\_\_\_ ES/pH \_\_\_\_\_ ALK.:P<sub>1</sub> \_\_\_\_\_ Ex. Lm. \_\_\_\_\_ CL (PPM) \_\_\_\_\_

OWR/Ca \_\_\_\_\_ GELS (LB/100 FT): 0" \_\_\_\_\_ 10" \_\_\_\_\_ CAKE (32 ND") \_\_\_\_\_ MBT \_\_\_\_\_ LB/BBL \_\_\_\_\_

**PUMP DATA:**

NO. 1: MODEL \_\_\_\_\_ LINER SIZE \_\_\_\_\_ X \_\_\_\_\_ " SPM \_\_\_\_\_ GPM \_\_\_\_\_ PUMP PRESS \_\_\_\_\_

NO. 2: MODEL \_\_\_\_\_ LINER SIZE \_\_\_\_\_ X \_\_\_\_\_ " SPM \_\_\_\_\_ GPM \_\_\_\_\_ PUMP PRESS \_\_\_\_\_

**DRILLING STRING:**

D.P. SIZE & TYPE \_\_\_\_\_ D.C. THD \_\_\_\_\_ NO. D.C. \_\_\_\_\_ LENGTH \_\_\_\_\_ O.D. \_\_\_\_\_ I.D. \_\_\_\_\_

EFF. WT. OF D.C. \_\_\_\_\_ BHA \_\_\_\_\_

**BIT RECORD:**

BIT NO.	SIZE	MFG.	TYPE	SERIAL NO.	JETS 32nd			DEPTH OUT	TOTAL THIS BIT			CUM. HRS.	COND. DULL		
					1	2	3		FEET	HRS.	FT./HR.		T	B	G

WT. ON BIT \_\_\_\_\_ .000# R.P.M. \_\_\_\_\_ ANN. VEL.: DP \_\_\_\_\_ DC \_\_\_\_\_ SURF. HHP \_\_\_\_\_

BIT H.P. \_\_\_\_\_ % HHP THRU BIT NOZ. \_\_\_\_\_ NOZ. VEL. \_\_\_\_\_ REDUCED RATE PUMP PRESS. \_\_\_\_\_ PSI @ \_\_\_\_\_ SPM \_\_\_\_\_

**DEPTHS & INCLINATIONS**      **SOLIDS CONTROL EQPT. USED**      **MUD USED**

\_\_\_\_\_ FT. \_\_\_\_\_ DEG.      SHALE SHAKER(S) \_\_\_\_\_ HRS.      \_\_\_\_\_

\_\_\_\_\_ FT. \_\_\_\_\_ DEG.      DESANDER \_\_\_\_\_ HRS.      \_\_\_\_\_

\_\_\_\_\_ FT. \_\_\_\_\_ DEG.      DESILTER/MUD CLEANER \_\_\_\_\_ HRS.      \_\_\_\_\_

\_\_\_\_\_ CENTRIFUGE \_\_\_\_\_ HRS.      \_\_\_\_\_

BOPP/IT DRILL: TIME OF DAY \_\_\_\_\_ REACTION TIME \_\_\_\_\_ MIN. W/ \_\_\_\_\_ FT. DOWN ON KELLY

**NOTE: USE REVERSE SIDE OF WHITE COPY FOR CASING/TUBING DETAIL**

DISTRIBUTION: DISTRICT FOREMAN      WHITE - DIST. FILE      CANARY - REGION FILE      PINK - DIST. EXPL.      FOREMAN FILE      011-5014 (REV. 6/90)

WESTERS Rig # 18 # 4689

# COASTAL OIL & GAS MORNING REPORT

DATE Thurs Nov 17, 1964

LEASE & WELL Jewell # 133A3 DRILLING FOREMAN Ho Tuis DAYS SINCE RELIEVED 1

FIELD/PROSPECT Albany + Buchanan COUNTY Duchess STATE LA

DISTRICT \_\_\_\_\_ REPORT TAKEN BY: HJD SPUD DATE: \_\_\_\_\_ DAYS SINCE SPURRED \_\_\_\_\_

T.D. \_\_\_\_\_ FT. DRLG. PROGRESS \_\_\_\_\_ FT. IN \_\_\_\_\_ HRS. \_\_\_\_\_ CSG @ \_\_\_\_\_ PBDT \_\_\_\_\_ FT.

ACTIVITY @ REPORT TIME 1:00-4 w/ 2005-ETC

HOURS	ACTIVITY LAST 24 HOURS 6:00 a.m. - 6:00 a.m.	CODE NO.	DRILLING/COMPLETION COSTS ITEM	COST	
				DAILY	CUMULATIVE
<u>4:00pm</u>	<u>Move to location (2.5 mi)</u>				
	<u>Set Equip - Start up Rig</u>	110	ROADS & LOCATIONS		
	<u>Ready to work on well</u>	120-125	CONTRACTOR CHARGES FOOTAGE, DAY WORK, COMP., WO	<u>785</u>	
	<u>Well paying - see log - 5:30</u>	130	MUD & CHEMICALS <u>Champion</u>	<u>120</u>	
<u>(142)</u>	<u>See shut down</u>	135-136	CEMENTING SERVICE & FLOAT EQUIPMENT		
		140	ELECTRIC LOGGING (OPEN HOLE)		
		141	CORING, DST, FMT		
		142	MUD LOGGING		
		145	FISHING TOOLS & SERVICES		
		146	WATER <u>Target</u>	<u>1400</u>	
		146	FUEL <u>separate (1 CL)</u>		
		146	BITS		
		147	EQUIPMENT RENTALS <u>see index</u>	<u>700</u>	
		175	TRUCKING <u>no trip</u>		
		181	BHP, GOR, POTENTIAL TESTS		
		183	PERF. AND CASED HOLE LOGS		
		184	ACIDIZING, FRACTURING, ETC.		
			MISC. LABOR & SERVICES <u>545 handling - Westside</u>	<u>250</u>	
		190	SUPERVISION	<u>175</u>	
			<b>TOTAL INTANGIBLES</b>	<u>1430</u>	
TANGIBLE ITEMS CHARGED TODAY: (DESCRIBE)		200	<b>TOTAL TANGIBLES (CSG, ETC)</b>	<u>-</u>	
			<b>TOTAL COSTS</b>	<u>1430</u>	

### DRILLING MUD PROPERTIES

WT. (#GAL) \_\_\_\_\_ VIS (SEC.) \_\_\_\_\_ F.L. 100# (cc) \_\_\_\_\_ HIGH TEMP. F.L. @ 300 PSI \_\_\_\_\_ P.V. (CP) \_\_\_\_\_ Y.P. (LB/100 FT<sup>3</sup>) \_\_\_\_\_

% OIL \_\_\_\_\_ % LCM \_\_\_\_\_ % SOLIDS \_\_\_\_\_ ESPH \_\_\_\_\_ ALK. P<sub>i</sub> \_\_\_\_\_ Ex. Lm. \_\_\_\_\_ CL (PPM) \_\_\_\_\_

OWR/Ca \_\_\_\_\_ GELS (LB/100 FT<sup>3</sup>): 0" \_\_\_\_\_ 10" \_\_\_\_\_ CAKE (32 ND") \_\_\_\_\_ MBT \_\_\_\_\_ LB/BBL

### PUMP DATA:

NO. 1: MODEL \_\_\_\_\_ LINER SIZE \_\_\_\_\_ X \_\_\_\_\_ " SPM \_\_\_\_\_ GPM \_\_\_\_\_ PUMP PRESS \_\_\_\_\_

NO. 2: MODEL \_\_\_\_\_ LINER SIZE \_\_\_\_\_ X \_\_\_\_\_ " SPM \_\_\_\_\_ GPM \_\_\_\_\_ PUMP PRESS \_\_\_\_\_

### DRILLING STRING:

D.P. SIZE & TYPE \_\_\_\_\_ D.C. THD \_\_\_\_\_ NO. D.C. \_\_\_\_\_ LENGTH \_\_\_\_\_ O.D. \_\_\_\_\_ I.D. \_\_\_\_\_

EFF. WT. OF D.C. \_\_\_\_\_ BHA \_\_\_\_\_

### BIT RECORD:

BIT NO.	SIZE	MFR.	TYPE	SERIAL NO.	JETS 32nd			DEPTH OUT	TOTAL THIS BIT			CUM. HRS.	COND. DULL		
					1	2	3		FEET	HRS.	FT./HR.		T	B	G

WT. ON BIT \_\_\_\_\_ 000# R.P.M. \_\_\_\_\_ ANN. VEL.: DP \_\_\_\_\_ DC \_\_\_\_\_ SURF. HHP \_\_\_\_\_

BIT H.P. \_\_\_\_\_ % HHP THRU BIT NOZ \_\_\_\_\_ NOZ. VEL \_\_\_\_\_ REDUCED RATE PUMP PRESS \_\_\_\_\_ PSI @ \_\_\_\_\_ SPM

### DEPTHS & INCLINATIONS

\_\_\_\_\_ FT. \_\_\_\_\_ DEG.

\_\_\_\_\_ FT. \_\_\_\_\_ DEG.

\_\_\_\_\_ FT. \_\_\_\_\_ DEG.

### SOLIDS CONTROL EQPT. USED

SHALE SHAKER(S) \_\_\_\_\_ HRS.

DESANDER \_\_\_\_\_ HRS.

DESILTER/MUD CLEANER \_\_\_\_\_ HRS.

CENTRIFUGE \_\_\_\_\_ HRS.

### MUD USED

BOPBIT DRILL: TIME OF DAY \_\_\_\_\_ REACTION TIME \_\_\_\_\_ MIN. W/ \_\_\_\_\_ FT. DOWN ON KELLY

NOTE: USE REVERSE SIDE OF WHITE COPY FOR CASING/TUBING DETAIL

DISTRIBUTION: DISTRICT FOREMAN **▶** WHITE - DIST. FILE CANARY - REGION FILE PINK - DIST. EXPL. WHITE - DIST. OFFICE CANARY - RIG PINK - FOREMAN FILE 011-5014 (REV. 6/60)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

		5. Lease Designation and Serial Number: Fee
		6. If Indian, Allottee or Tribe Name: N/A
		7. Unit Agreement Name: N/A
1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER:		8. Well Name and Number: Powell #1-33A3
2. Name of Operator: ANR Production Company		9. API Well Number: 43-013-30105
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749 (303) 573-4476		10. Field and Pool, or Wildcat: Altamont
4. Location of Well Footages: 2340' FNL & 660' FEL County: Duchesne QQ, Sec., T., R., M.: SE/NE Section 33-T1S-R3W State: Utah		

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**NOTICE OF INTENT**  
(Submit In Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
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| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon *                 | <input type="checkbox"/> New Construction     |
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| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other _____    | Lower Seating Nipple                          |

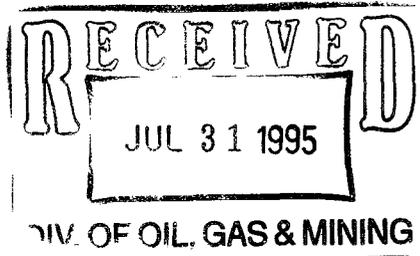
Date of work completion 11/19/94

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached morning reports for work performed to lower seat nipple to enhance production on the subject well.



- 1 - State
- 1 - BLJ/MDE/Tami/File
- 1 - SAC

13. Name & Signature: N.O. Shiflett jeb Title: N.O. Shiflett District Drilling Manager Date: 12/29/94

(This space for State use only)

*Tax credit 7/26/95*

### SUNDRY NOTICES AND REPORTS ON WELLS

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Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

See Attached

7. Unit Agreement Name:

See Attached

1. Type of Well:

OIL  GAS  OTHER:

8. Well Name and Number:

See Attached

2. Name of Operator:

Coastal Oil & Gas Corporation

9. API Well Number:

See Attached

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

10. Field and Pool, or Wildcat:

See Attached

4. Location of Well

Footages: See Attached

County: See Attached

QQ, Sec., T., R., M.: See Attached

State: Utah

#### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

##### NOTICE OF INTENT

(Submit In Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

##### SUBSEQUENT REPORT

(Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon *                                  | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |   |

Date of work completion \_\_\_\_\_

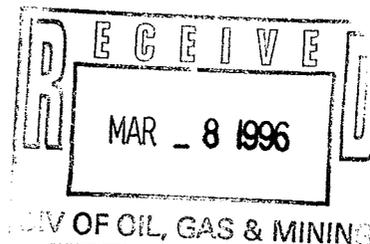
Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

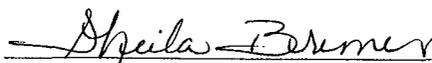
Please be advised that effective December 27, 1995, ANR Production Company relinquished and Coastal Oil & Gas Corporation assumed operations for the subject wells (see attached). Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Coastal Oil & Gas Corporation under the following bonds: State of Utah #102103, BLM Nationwide Bond #U605382-9, and BIA Nationwide Bond #11-40-66A. Coastal Oil & Gas Corporation, as operator, agrees to be responsible under the terms and conditions of the leases for the operations conducted upon leased lands.

  
Bonnie Carson, Sr. Environmental & Safety Analyst  
ANR Production Company



13.

Name & Signature:



Sheila Bremer  
Environmental & Safety Analyst

Title: Coastal Oil & Gas Corporation

Date: 03/07/96

(This space for State use only)



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing: *GH*

1-EC-7-57
2-DTS 8-FILE
3-VLD
4-RJ
5-EC
6-FILM

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)                       Designation of Agent  
 Designation of Operator                                       Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 12-27-95)

O (new operator) <u>COASTAL OIL &amp; GAS CORP</u> (address) <u>PO BOX 749</u> <u>DENVER CO 80201-0749</u> phone (303) <u>572-1121</u> account no. <u>N 0230 (B)</u>	FROM (former operator) <u>ANR PRODUCTION CO INC</u> (address) <u>PO BOX 749</u> <u>DENVER CO 80201-0749</u> phone (303) <u>572-1121</u> account no. <u>N 0675</u>
--	---

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>D13-30105</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 3-8-96)*
- (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 3-8-96)*
- The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-11-96) (4-3-96/Indian) (4-15-96/Fee C.A.'s) (8-20-96/Indian C.A.'s)*
- Cardex file has been updated for each well listed above.
- Well file labels have been updated for each well listed above.
- Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(3-11-96)*
- A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) Surety No. U605382-1 (\$80,000) United Pacific Ins. Co.

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files. *\* Upon Compl. of routing.*
- Yes 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date March 11, 1996. If yes, division response was made by letter dated   19 . *(Same Bond as Coastal)*

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated   19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- Yes 1. All attachments to this form have been microfilmed. Date: 1-7 1997.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

960311 This change involves Fee lease / non C.A. wells ~~only~~ state lease wells. C.A. & Indian lease wells will be handled on separate change.

960412 BLM/SL Aprv. C.A.'s 4-11-96.

960820 BIA Aprv. CA's 8-16-96.

960329 BIA Aprv. Indian Lease wells 3-26-96.

WE71134-35

\* 961107 Lemicy 2-5B2/43013-30784 under review at this time; no chg. yet!

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: _____		5. Lease Designation and Serial Number: Fee
2. Name of Operator: Coastal Oil & Gas Corporation		6. If Indian, Allottee or Tribe Name: N/A
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749 (303) 573-4476		7. Unit Agreement Name: N/A
4. Location of Well Footages: 2340' FNL & 660' FEL County: Duchesne QQ, Sec., T., R., M.: SE/NE Section 33-T1S-R3W State: Utah		8. Well Name and Number: Powell #1-33A3
		9. API Well Number: 43-013-30105
		10. Field and Pool, or Wildcat: Altamont

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**NOTICE OF INTENT**

(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**

(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon *                 | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other _____    | Lower Seating Nipple                          |

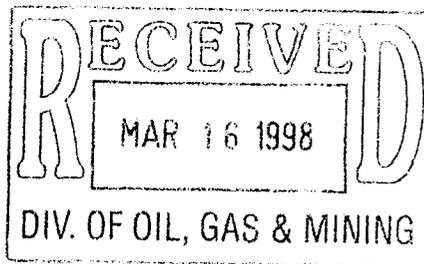
Date of work completion 2/2/98

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached morning reports for work performed to lower seat nipple to enhance production on the subject well.



13.

Name & Signature: \_\_\_\_\_

*Sheila Bremer*

Sheila Bremer

Title: Environmental & Safety Analyst

Date

03/12/98

(This space for State use only)

**COASTAL OIL & GAS  
MORNING REPORT**

REPORT DATE: 01/31/98

LEASE & WELL: 1-33A3 COMPLETION FOREMAN: JEFF SAMUELS RIG NUMBER: pool #818  
 FIELD/PROSPECT: ALTAMONT/BLUEBELL COUNTY: DUCHESNE STATE: UTAH  
 DISTRICT: DENVER REPORT TAKEN BY: J.S. START DATE: \_\_\_\_\_ DAY 1  
 PBTD: 15101' LN TOP: 11334' PERFS: 11308' to 12385' FORMATION: WASATCH PROD CSG SIZE: 7 5/8" 39#  
 AFE DESCRIPTION: LOE HOLE IN TUBING AFE #: \_\_\_\_\_ PROD CSG SET @: 15140'  
 ACTIVITY @ REPORT TIME: POOH W/ RODS AFE AMOUNT: \_\_\_\_\_

HOURS	ACTIVITY LAST 24 HOURS 6:00 a.m. - 6:00 a.m.	CODE NO.	ITEM	DRILLING/COMPLETION COSTS	
				DAILY	CUMULATIVE
<u>10:30 AM</u>	<u>ROAD RIG FROM 1-18B1E TO 1-33A3.</u>	<u>110</u>	<u>ROADS &amp; LOCATIONS</u>		<u>0</u>
	<u>MIRU. HOT PUMPING DOWN CSG. COULD NOT</u>	<u>120-125</u>	<u>CONTRACTOR CHARGES</u>	<u>1625</u>	
	<u>UNSEAT PMP, CALL OUT 2ND HOT. CONTINUE</u>		<u>FOOTAGE, DAY WORK, COMP.WO</u>		<u>1625</u>
	<u>PUMPING DOWN CSG. US PUMP FLUSH . RESEAT</u>	<u>130</u>	<u>MUD &amp; CHEMICALS</u>	<u>180</u>	<u>180</u>
	<u>PUMP WOULD NOT PSI TEST. BEGIN POOH W/</u>	<u>135-136</u>	<u>CEMENTING SERVICE &amp;</u>		
	<u>RODS AND TBG.</u>		<u>FLOAT EQUIPMENT</u>		<u>0</u>
		<u>140</u>	<u>ELECTRIC LOGGING (OPEN HOLE)</u>		
<u>05:30 PM</u>	<u>SDFN.</u>		<u>A. SLICK</u>		<u>0</u>
			<u>B. ELECTRIC</u>		<u>0</u>
		<u>145</u>	<u>FISHING TOOLS &amp; SERVICES</u>		<u>0</u>
		<u>146</u>	<u>WATER</u>	<u>575</u>	<u>575</u>
		<u>146</u>	<u>FUEL</u>	<u>240</u>	<u>240</u>
		<u>146</u>	<u>BITS</u>		<u>0</u>
		<u>147</u>	<u>EQUIPMENT RENTAL</u>		<u>0</u>
			<u>A. FRAC TK.</u>	<u>60</u>	<u>60</u>
			<u>B. BOP'S</u>		<u>0</u>
			<u>C. BITS</u>		<u>0</u>
			<u>D. POWER SWIVEL</u>		<u>0</u>
			<u>E. FILTERING</u>	<u>267</u>	<u>267</u>
			<u>F. TUBING RENTAL</u>		<u>0</u>
			<u>G. PACKERS &amp; PLUGS</u>		<u>0</u>
			<u>H. PORTABLE TOILETS</u>		<u>0</u>
		<u>175</u>	<u>TRUCKING</u>	<u>200</u>	<u>200</u>
		<u>183</u>	<u>PERF. AND CASED HOLE LOGS</u>		<u>0</u>
		<u>184</u>	<u>ACIDIZING, FRACTURING, ETC.</u>		<u>0</u>
			<u>MISC. LABOR &amp; SERVICES</u>		<u>0</u>
			<u>HOTOILER</u>	<u>515</u>	<u>515</u>
		<u>190</u>	<u>SUPERVISION</u>	<u>175</u>	<u>175</u>
			<u>TOTAL INTANGIBLES</u>	<u>3837</u>	<u>3837</u>
		<u>200</u>	<u>TOTAL TANGIBLES (CSG.,ETC.)</u>		<u>0</u>
			<u>TOTAL COSTS</u>		<u>3837</u>
			<u>CONTINGENCIES (6%)</u>		<u>230</u>
			<u>CUM. DRLG. COSTS</u>		<u>0</u>
			<u>CONSTR. COSTS</u>		<u>0</u>
			<u>JOB TOTAL</u>		<u>4067</u>

**TANGIBLE ITEMS CHARGED TODAY: (DESCRIBE)**


**CHEMICALS PUMPED**

\_\_\_\_\_

**CHECK ATTACHED REPORTS**

TUBING TALLY \_\_\_\_\_

FLOW BACK REPORT \_\_\_\_\_

LOGS \_\_\_\_\_

SWAB REPORT \_\_\_\_\_

DAILY CUM

PLE INSTALLATION DATE: \_\_\_\_\_

END OF TUBING DEPTH: \_\_\_\_\_

BBLs FLUID PUMPED: 500 | 500

**COASTAL OIL & GAS  
MORNING REPORT**

REPORT DATE: 02/02/98

LEASE & WELL: 1-33A3 COMPLETION FOREMAN: JEFF SAMUELS RIG NUMBER: pool #818  
 FIELD/PROSPECT ALTAMONT/BLUEBELL COUNTY: DUCHESNE STATE: UTAH  
 DISTRICT DENVER REPORT TAKEN BY: J.S. START DATE: 01/30/98 DAY 3  
 PBTD: 15101' LN TOP: 11334' PERFS: 11308' to 12385' FORMATION: WASATCH PROD CSG SIZE: 7 5/8" 39#  
 AFE DESCRIPTION: LOE HOLE IN TUBING AFE #: \_\_\_\_\_ PROD CSG SET @: 15140'  
 ACTIVITY @ REPORT TIME: RIH W/ RODS AFE AMOUNT: \$0

HOURS	ACTIVITY LAST 24 HOURS 6:00 a.m. - 6:00 a.m.	CODE NO.	ITEM	DRILLING/COMPLETION COSTS	
				DAILY	CUMULATIVE
<u>07:00 AM</u>	<u>MAKE UP NEW BHA. ON 2 7/8" TUBING &amp; RIH.</u>	110	ROADS & LOCATIONS		0
	<u>HYD. TST. BELOW SLIPS TO 8500# (FOUND 1 JT</u>	120-125	CONTRACTOR CHARGES	.2035	
	<u>BAD 5TH FROM TOP). SET TAC 7 5/8" TAC @ 10872'</u>		FOOTAGE, DAY WORK, COMP.WO		5803
	<u>S.N. @ 11077' EOT @ 11149'. NDBOP. NUWH.</u>	130	MUD & CHEMICALS		180
	<u>PREP TO RUN RODS IN A.M.</u>	135-136	CEMENTING SERVICE & FLOAT EQUIPMENT		0
<u>05:30 PM</u>	<u>SDFN.</u>	140	ELECTRIC LOGGING (OPEN HOLE)		
			A. SLICK		0
			B. ELECTRIC		
		145	FISHING TOOLS & SERVICES	1770	1770
		146	WATER		575
		146	FUEL	30	330
		146	BITS		0
		147	EQUIPMENT RENTAL		0
			A. FRAC TK.	60	150
			B. BOP'S	240	480
			C. BITS		0
			D. POWER SWIVEL		0
			E. FILTERING		267
			F. TUBING RENTAL		0
			G. PACKERS & PLUGS		0
			H. PORTABLE TOILETS		0
		175	TRUCKING	180	380
		183	PERF. AND CASED HOLE LOGS		0
		184	ACIDIZING, FRACTURING, ETC.		0
			MISC. LABOR & SERVICES		0
			HOTOILER	434	1431
		190	SUPERVISION	175	525
			TOTAL INTANGIBLES		
				4924	11891
		200	TOTAL TANGIBLES (CSG.,ETC.)		0
			TOTAL COSTS	4924	11891
			CONTINGENCIES (6%)		713
			CUM. DRLG. COSTS		0
			CONSTR. COSTS		0
			JOB TOTAL		12604

TANGIBLE ITEMS CHARGED TODAY: (DESCRIBE)


CHEMICALS PUMPED \_\_\_\_\_

CHECK ATTACHED REPORTS

TUBING TALLY \_\_\_\_\_

FLOW BACK REPORT \_\_\_\_\_

LOGS \_\_\_\_\_

DAILY CUM

PLE INSTALLATION DATE: \_\_\_\_\_

BBLS FLUID PUMPED: 50 650

END OF TUBING DEPTH: \_\_\_\_\_

**COASTAL OIL & GAS  
MORNING REPORT**

REPORT DATE: 2-1-98

LEASE & WELL: 1-33A3      COMPLETION FOREMAN: JEFF SAMUELS      RIG NUMBER: pool #818

FIELD/PROSPECT ALTAMONT/BLUEBELL      COUNTY: DUCHESNE      STATE: UTAH

DISTRICT DENVER      REPORT TAKEN BY: J.S.      START DATE: 01/30/98      DAY 2

PBTD: 15101'      LN TOP: 11334'      PERFS: 11308' to 12385'      FORMATION: WASATCH      PROD CSG SIZE: 7 5/8" 39#

AFE DESCRIPTION: LOE HOLE IN TUBING      AFE #:      PROD CSG SET @: 15140'

ACTIVITY @ REPORT TIME: HYD. TST. TBG.      AFE AMOUNT: \$0

HOURS	ACTIVITY LAST 24 HOURS 6:00 a.m. -- 6:00 a.m.	DRILLING/COMPLETION COSTS			
		CODE NO.	ITEM	DAILY	CUMULATIVE
07:00 AM	POOH W/ RODS AND PUMP. X-OVER TO PULL TBG.	110	ROADS & LOCATIONS		0
	NDWH. NUBOP. RLS TAC. @ 10135' & POOH. FOUND	120-125	CONTRACTOR CHARGES FOOTAGE, DAY WORK, COMP.WO	2143	
	SPLIT IN TBG. @ 6685', 229TH JT. FINISH POOH LD.				3768
05:30 PM	OLD BHA, SDFN	130	MUD & CHEMICALS		180
		135-136	CEMENTING SERVICE & FLOAT EQUIPMENT		0
		140	ELECTRIC LOGGING (OPEN HOLE) A. SLICK B. ELECTRIC		0
		145	FISHING TOOLS & SERVICES		0
		146	WATER		575
		146	FUEL	60	300
		146	BITS		0
		147	EQUIPMENT RENTAL		0
			A. FRAC TK.	30	90
			B. BOP'S	240	240
			C. BITS		0
			D. POWER SWMVEL		0
			E. FILTERING		267
			F. TUBING RENTAL		0
			G. PACKERS & PLUGS		0
			H. PORTABLE TOILETS		0
		175	TRUCKING		200
		183	PERF. AND CASED HOLE LOGS		0
		184	ACIDIZING, FRACTURING, ETC.		0
			MISC. LABOR & SERVICES		0
			HOTOILER	482	997
		190	SUPERVISION	175	350
			TOTAL INTANGIBLES		
				3130	6967
		200	TOTAL TANGIBLES (CSG., ETC.)		0
			TOTAL COSTS	3130	6967
			CONTINGENCIES (6%)		418
			CUM. DRLG. COSTS		0
			CONSTR. COSTS		0
			JOB TOTAL		7385

TANGIBLE ITEMS CHARGED TODAY: (DESCRIBE)


CHEMICALS PUMPED \_\_\_\_\_

CHECK ATTACHED REPORTS

TUBING TALLY \_\_\_\_\_

FLOW BACK REPORT \_\_\_\_\_

LOGS \_\_\_\_\_

SWAB REPORT \_\_\_\_\_

DAILY      CUM

PLE INSTALLATION DATE: \_\_\_\_\_

END OF TUBING DEPTH: \_\_\_\_\_

BBLs FLUID PUMPED:      100      600

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR: El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR: 368 South 1200 East CITY Vernal STATE Utah ZIP 84078 PHONE NUMBER: 435-789-4433

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: \_\_\_\_\_ COUNTY: \_\_\_\_\_  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: \_\_\_\_\_ STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER: Exhibit "A"

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

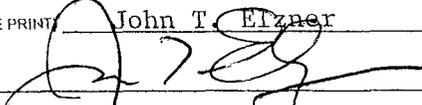
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

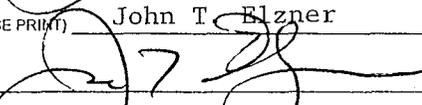
See Exhibit "A"

Bond # 400JU0708

NAME (PLEASE PRINT) Coastal Oil & Gas Corporation John T. Elzner TITLE Vice President

SIGNATURE  DATE 06-15-01

NAME (PLEASE PRINT) El Paso Production Oil & Gas Company John T. Elzner TITLE Vice President

SIGNATURE  DATE 06-15-01

(This space for State use only)

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JUN 13 2001  
DIVISION OF  
OIL, GAS AND MINING

State of Delaware  
Office of the Secretary of State

---

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

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JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION

*David L. Siddall*  
\_\_\_\_\_  
David L. Siddall  
Vice President

Attest:

*Margaret E. Roark*  
\_\_\_\_\_  
Margaret E. Roark, Assistant Secretary

RECEIVED

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 11:00 AM 03/09/2001  
010118394 - 0610204

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH		4-KAS ✓
2. CDW ✓		5-LP ✓
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X** Merger

The operator of the well(s) listed below has changed, effective: **3-09-2001**

<b>FROM: (Old Operator):</b>
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

<b>TO: ( New Operator):</b>
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

**CA No.**

**Unit:**

**WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
MONSEN 3-27A3	43-013-31401	11686	27-01S-03W	FEE	OW	P
WINKLER 1-28A3	43-013-30191	1750	28-01S-03W	FEE	OW	P
WINKLER 2-28A3	43-013-31109	1751	28-01S-03W	FEE	OW	P
HANSON TRUST 2-29A3	43-013-31043	10205	29-01S-03W	FEE	OW	P
STEVENSON 3-29A3	43-013-31376	11442	29-01S-03W	FEE	OW	P
DASTRUP 2-30A3	43-013-31320	11253	30-01S-03W	FEE	OW	P
B HARTMAN U 1-31A3	43-013-30093	5725	31-01S-03W	FEE	OW	S
HARTMAN 2-31A3	43-013-31243	11026	31-01S-03W	FEE	OW	P
HANSON TRUST 2-32A3	43-013-31072	1641	32-01S-03W	FEE	OW	P
<b>POWELL 1-33A3</b>	43-013-30105	1625	33-01S-03W	FEE	OW	P
POWELL 2-33A3	43-013-30704	2400	33-01S-03W	FEE	OW	P
REMINGTON 1-34A3	43-013-30139	1725	34-01S-03W	FEE	OW	P
REMINGTON 2-34A3	43-013-31091	1736	34-01S-03W	FEE	OW	P
JACOBSEN 2-12A4	43-013-30985	10313	12-01S-04W	FEE	OW	S
JESSEN 1-15A4	43-013-30817	9345	15-01S-04W	FEE	OW	P
FISHER 1-16A4	43-013-30737	9117	16-01S-04W	FEE	OW	P
JESSEN 1-17A4	43-013-30173	4725	17-01S-04W	FEE	OW	P
JESSEN 2-21A4	43-013-31256	11061	21-01S-04W	FEE	OW	P
CR AMES 1-23A4	43-013-30375	5675	23-01S-04W	FEE	OW	S
GOODRICH 1-24A4	43-013-30760	9136	24-01S-04W	FEE	OW	P

**OPERATOR CHANGES DOCUMENTATION**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
4. Is the new operator registered in the State of Utah: YES Business Number: 608186-0143



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT -- for such proposals

6. Lease Designation and Serial Number
FEE

7. Indian Allottee or Tribe Name
N/A

8. Unit or Communitization Agreement
N/A

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other (specify)

9. Well Name and Number
Powell #1-33A3

2. Name of Operator
El Paso Production Oil & Gas Company

10. API Well Number
43-013-30105

3. Address of Operator
P.O. Box 1148 Vernal, Utah 84078

4. Telephone Number
(435) 781-7024

11. Field and Pool, or Wildcat
Altamont

5. Location of Well
Footage : 2340'FNL & 660'FEL County : Duchesne
QQ, Sec. T., R., M : SENE Section 33-T1S-R3W State : Utah

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment [ ]
Casing Repair [ ]
Change of Plans [ ]
Conversion to Injection [ ]
Fracture Treat [ ]
Multiple Completion [ ]
Other [X] Plug and Abandonment

- New Construction [ ]
Pull or Alter Casing [ ]
Recompletion [ ]
Shoot or Acidize [ ]
Vent or Flare [ ]
Water Shut-Off [ ]

Approximate Date Work Will Start Upon Approval

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment \* [ ]
Casing Repair [ ]
Change of Plans [ ]
Conversion to Injection [ ]
Fracture Treat [ ]
Other [ ]
New Construction [ ]
Pull or Alter Casing [ ]
Shoot or Acidize [ ]
Vent or Flare [ ]
Water Shut-Off [ ]

Date of Work Completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The operator requests authorization to plug and abandon the subject well. All intervals in the Green River and Wasatch zones have been tested and depleted. It is no longer economical to produce this well. After evaluating all hydrocarbon-bearing zones it has been determined that no additional recompletion potential exists in this well. Plugging and abandonment is the only remaining viable economic operation to perform.

Please refer to the attached plug and abandonment procedure.

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DEC 19 2001
DIVISION OF
OIL, GAS AND MINING

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

Name & Signature Sheila Upchego [Signature]

Title Regulatory Analyst Date 12/19/01

(State Use Only) APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 11/5/02
BY: [Signature]
\* See Conditions of Approval

COPY SENT TO OPERATOR
Date: 1-17-02
Initials: CHD



## PLUG AND ABANDON PROCEDURE

Powell 1-33A3

Sec 33-T1S-R3W

Duchesne County, Utah

December 18, 2001

### WELL DATA:

DEPTH: TD: 15,140 ft PBTD: 15,101 ft

ELEVATIONS: GL: 6196 ft KB: 6222 ft

CASING: 13 3/8" 68# K-55 @ 315 ft. Cmt'd w/ 450 sx Class G.  
9 5/8" 47# CF-95 @ 6200 ft. Cmt'd w/ 250 sx 1:1 poz, 450 sx Class G  
7 5/8" 39# S-95 @ 11,530 ft w/ TOL @ 5992 ft. Cmt'd w/ 50 sx 65-35 poz, 600 sx  
Hal lite, 100 sx Class G.  
5 1/2" 20, 23# S00-95 @ 15,137 ft w/ TOL @ 11,334 ft. Cmt'd w/ 814 sx Class G.

TUBING: 2 7/8" N-80 tbg @ 11,149 ft.

PERFORATIONS: 11,308' – 12,304'

Tubular properties:

Description	ID (in)	Drift (in)	Capacity (bbl/ft)	Burst (psi)	Collapse (psi)
13 3/8" 68# K-55	12.415	12.259	0.1497	3,450	1,950
9 5/8" 47# CF-95	8.681	8.525	0.0732	6,440	4,630
7 5/8" 39# S-95	6.625	6.500	0.0426	10,900	9,980
5 1/2" 23# S00-95	4.670	4.545	0.0211	10,680	12,920
5 1/2" 20# S00-95	4.778	4.653	0.0221	10,680	10,000

Slurry properties: Class G Cement, 15.8 ppg, 1.15 ft<sup>3</sup>/sk

Present Status: TA

### RECOMMENDED PROCEDURE:

**NOTE: All water used to displace cmt and placed between plugs should contain corrosion inhibitor and should be 8.8 ppg to 9.2 ppg brine.**

1. Insure regulatory agencies are given proper notification prior to PXA.
2. Transport 1000' 2 7/8" workstring to well location from Altamont stock yard.
3. MIRU workover unit. ND well head and NU BOPs. POOH w/ 2 7/8" tbg.
4. PU 8 1/4" bit and csg scraper for 9 5/8" csg. RIH w/ bit and scraper to 7 5/8" TOL @ 5992 ft. POOH and LD bit and scraper. PU 6 1/4" bit and csg scraper for 7 5/8" csg. RIH w/ bit and scraper on 2 7/8" tbg to 11,300 ft. POOH and LD 6 1/4" bit and csg scraper for 7 5/8" csg.
5. PU 7 5/8" CICR. RIH w/ CICR on 2 7/8" tbg and set CICR @ 11,200 ft. Before shearing out of CICR fill tbg w/ PW and pressure tbg up to 1000 psi to check for leaks in tbg. Sting into CICR and pump 150 bbls 200°F PW to remove paraffin from tbg. Sting out of CICR and reverse circulate w/ 9# brine w/ corrosion

inhibitor displace existing water/fluid and fill hole. Spot 25 sx Class G cmt on top of CICR. Pull up hole 5 jts and reverse circulate tbg clean w/ 9# brine. POOH to 6100 ft, laying down tbg.

6. Pressure test casing to 1000 psi. If casing tests okay continue to step 7. If pressure test fails, locate casing leak and set CICR 50 ft above leak. Mix and pump 25 sacks cement spotting 5 sacks on top of retainer. (Consult w/ Engineering if casing leak is above 5000 ft.)
7. Spot balanced plug w/ 35 sx Class G cmt @ 6100 ft. Pull up hole 10 jts tbg and reverse circulate tbg clean w/ 9# brine. WOC. RIH and tag plug. TOC @ 6047 ft. POOH to 5000 ft, laying down tbg.
8. Spot balanced plug w/ 40 sx Class G cmt w/ 1% CaCl<sub>2</sub> (in mix water). Pull up hole 10 jts tbg and reverse circulate tbg clean w/ 9# brine. WOC. RIH and tag plug. TOC @ 4888 ft. POOH w/ laying down tbg.
9. RIH to 365 ft w/ 1" continuous tbg. Mix and pump 130 sx Class G w/ 2% CaCl<sub>2</sub> (in mix wtr) to surface. POOH. Remove well head and run into 13 3/8" X 9 5/8" annulus w/ 1" tbg to 365 ft. Fill annulus w/ 110 sx Class G cmt w/ 2% CaCl<sub>2</sub> (in mix water) to surface.
10. Cut off all casing strings 3 ft below ground level. Install dry hole marker.

Restore location as per BLM's requirements in APD.

JJV

**Approvals:**

Engineering Mgr: \_\_\_\_\_

Tech Director: \_\_\_\_\_

VP: \_\_\_\_\_

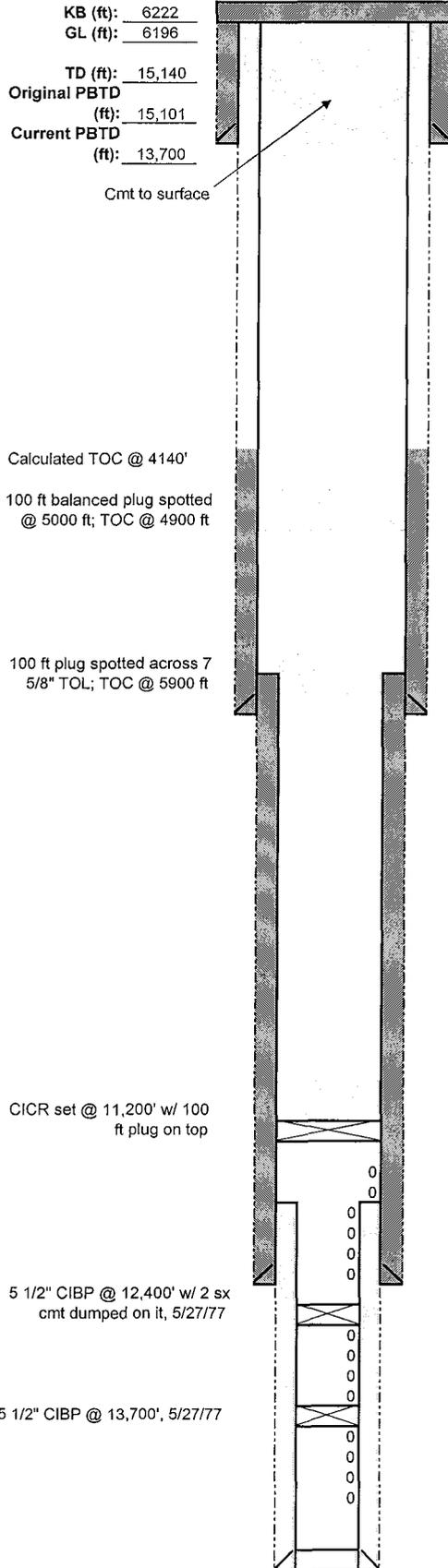
DATE: 12/14/01  
FOREMAN: JJV

WELL: Powell 1-33A3  
API NO: 43-013-30105  
FIELD: Altamont Bluebell

CNTY: Duchesne  
STATE: UT

SEC: 33  
TWP: 1S  
RGE: 3W  
QTR: SE NE

Plugged and Abandoned



CASING RECORD

SIZE (in)	WT (lb/ft)	GRADE	THD	TOP (ft)	BTM (ft)	Date Run
13 3/8	68	K-55		Surface	315	2/12/1972
9 5/8	47	CF-95		Surface	6200	3/3/1972
7 5/8	39	S-95		5,992	11530	5/17/1972
5 1/2	20, 23	S00-95		11,334	15137	7/23/1972

TUBING RECORD

SIZE (in)	WT (lb/ft)	GRADE	THD	TOP (ft)	BTM (ft)	Date Run

JEWELRY RECORD

ITEM	MAKER	SIZE (in)	Max ID	TOP (ft)	Date Run
CIBP		5 1/2		13,700	5/27/1977
CIBP		5 1/2		12,400	9/9/1993

PERFORATION RECORD

ZONE	TOP (ft)	BTM (ft)	SPF	No. Holes	Date Shot
	11,568	12,110	1	18	08/22/1972
	13,745	14,993	1	28	10/12/1972
	11,896	13,806	1	113	10/30/1974
	12,670	13,659		260	05/27/1977
	13,147	13,683	3	66	07/17/1981
	11,380	12,580	3	165	07/21/1981
	11,308	12,304	3	135	9/9/1993

COMMENTS:

- 2/12/1972 Set 13 3/8" 68# K-55 csg @ 315'. Cmt'd w/ 450 sx.
- 3/3/1972 Set 9 5/8" 47# CF-95 csg @ 6200'. Cmt'd w/ 700 sx.
- 5/17/1972 Set 7 5/8" 39# S-95 csg @ 11,530' w/ TOL @ 5992'. Cmt'd w/ 750 sx.
- 7/23/1972 Set 5 1/2" 20,23# S00-95 liner @ 15,137' w/ TOL @ 11,334'. Cmt'd w/ 814 sx.
- 7/29/1972 Squeezed 120 sx thru CICR @ 15,101'. Squeezed liner lap w/ 200 sx. Tested OK to 2400 psi.
- 8/22/1972 Perf 11,568'-12,110' w/ 1 SPF, 18 holes. Lost gun in hole.
- 10/12/1972 Perf 13,745'-14,993' w/ 1 SPF, 28 holes. Acidize all perfs w/ 35,000 gal 15% HCl.
- 10/30/1974 Perf 11,896'-13,806' w/ 1 SPF, 113 holes. Acidize all perfs w/ 49,800 gal 15% HCl.
- 5/11/1976 Lows 5' sprang jars and 8' sinker bar in hole.
- 5/27/1977 Set 5 1/2" CIBP @ 13,700'. Perf 12,670'-13,659', 260 holes. Acidize w/ 26,880 gal 7 1/2% HC
- 7/22/1977 Well put on gas lift.
- 7/17/1981 Perf 13,147'-13,683' w/ 3 SPF, 66 holes. Acidize w/ 22,600 gal 7 1/2% HCl.
- 7/21/1981 Set CIBP @ 12,610'. Perf 11,380'-12,580' w/ 3 SPF, 165 holes. Acidize w/ 25,000 gal 7 1/2% HCl. Drill out CIBP.
- 10/13/1987 Put well on rods, SN @ 10,401'.
- 8/24/1993 Test csg 11,256'-11,292' to 1000 psi OK.
- 8/26/1993 List fish in hole @ 12,410'-12,420'.
- 9/2/1993 Possible csg collapse @ 12,410'.
- 9/9/1993 Set 5 1/2" CIBP @ 12,400' and dump 2 sx cmt on top w/ dump bailer. Perf 11,308'-12,304' w/ 3 SPF, 135 holes. Acidize perfs w/ 18,000 gal 15% HCl.
- 8/11/1999 Could not release 7 5/8" anchor catcher @ 10,872'. Could not RIH w/ rods past 2300'.

CICR set @ 11,200' w/ 100 ft plug on top

5 1/2" CIBP @ 12,400' w/ 2 sx cmt dumped on it, 5/27/77

5 1/2" CIBP @ 13,700', 5/27/77

DATE: 12/14/01  
FOREMAN: JJV

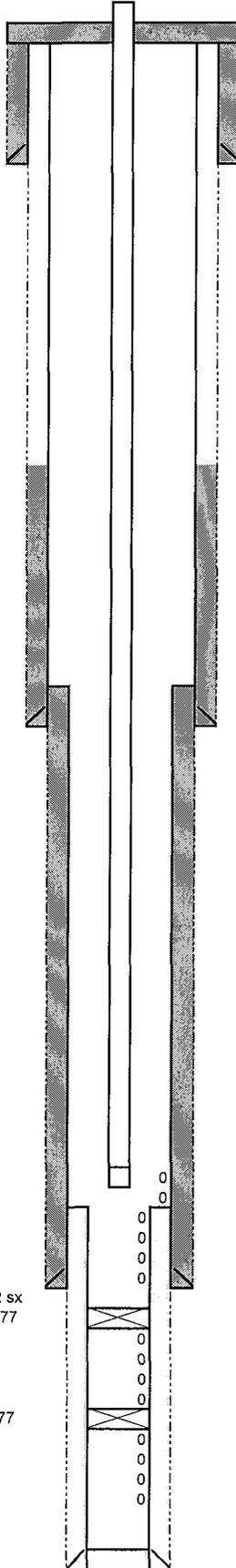
WELL: Powell 1-33A3  
API NO: 43-013-30105  
FIELD: Altamont Bluebell

CNTY: Duchesne  
STATE: UT

SEC: 33  
TWP: 1S  
RGE: 3W  
QTR: SE NE

Current Well Status

KB (ft): 6222  
GL (ft): 6196  
  
TD (ft): 15,140  
Original PBTD (ft): 15,101  
Current PBTD (ft): 13,700



CASING RECORD

SIZE (in)	WT (lb/ft)	GRADE	THD	TOP (ft)	BTM (ft)	Date Run
13 3/8	68	K-55		Surface	315	2/12/1972
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7 5/8	39	S-95		5,992	11530	5/17/1972
5 1/2	20, 23	S00-95		11,334	15137	7/23/1972

TUBING RECORD

SIZE (in)	WT (lb/ft)	GRADE	THD	TOP (ft)	BTM (ft)	Date Run
2 7/8		N-80	8RD	Surface	11149	2/2/1998

JEWELRY RECORD

ITEM	MAKER	SIZE (in)	Max ID	TOP (ft)	Date Run
CIBP		5 1/2		13,700	5/27/1977
CIBP		5 1/2		12,400	9/9/1993

PERFORATION RECORD

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COMMENTS:

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 9/9/1993 Set 5 1/2" CIBP @ 12,400' and dump 2 sx cmt on top w/ dump bailer. Perf 11,308'-12,304' w/ 3 SPF, 135 holes. Acidize perms w/ 18,000 gal 15% HCl.  
 8/11/1999 Could not release 7 5/8" anchor catcher @ 10,872'. Could not RIH w/ rods past 2300'.

Calculated TOC @ 4140'

5 1/2" CIBP @ 12,400' w/ 2 sx cmt dumped on it, 5/27/77

5 1/2" CIBP @ 13,700', 5/27/77



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

## ***CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL***

Well Name and Number: Powell 1-33A3  
API Number: 43-013-30105  
Operator: El Paso Production Oil & Gas Company  
Reference Document: Original Sundry Notice dated December 19, 2001,  
received by DOGM on December 20, 2001

### Approval Conditions:

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
2. Procedure Item #4 shall be amended to include 40 sx Class G cement pumped below CICR @ 11,200'.
3. Procedure Item #8 (Balanced Plug @ 5000') shall be relocated 1800' shallower across the base of the moderately saline ground water @ 3200' (from ±3250' - 3150').
4. All balanced plugs shall be tagged to ensure the plugs are at the depths specified.
5. All annuli shall be cemented from a minimum depth of 100' to the surface.
6. Surface reclamation shall be done according to landowner's specifications.
7. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
8. If there are any changes to the plugging procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 prior to continuing with the procedure.
9. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet  
Petroleum Engineer

January 11, 2002

Date

# Wellbore Diagram

API Well No: 43-013-30105-00-00 Permit No:  
 Company Name: EL PASO PROD OIL & GAS CO  
 Location: Sec: 33 T: 1S R: 3W Spot: SENE  
 Coordinates: X: 4467003 Y: 566240  
 Field Name: ALTAMONT  
 County Name: DUCHESNE

Well Name/No: POWELL 1-33A3

### String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
HOL1	315	17.5		
SURF	315	13.375	68	315
HOL2	6200	12.25		
H	6200	9.625	47	6200
HOL3	11530	8.75		
PROD	11530	7.625	39	5538
HOL4	15140	6		
L1	15137	5.5	20	3806

Surface Plug  
 $(1305x)(1.15)(2.433) = 364'$

$TOC = 1'$

Cement from 315 ft. to surface

Surface: 13.375 in. @ 315 ft.  $(1105x)(1.15)(2.982) =$

Hole: 17.5 in. @ 315 ft.

$3.77'$

$TOC = \text{surface}$

~~Small cap cement @ 8750' - surface to hole - filled 1-16~~

### Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
H	6200		G	450
H	6200		PC	250
L1	15137		G	814
PROD	11530		PC	50
PROD	11530		HC	600
PROD	11530		G	100
SURF	315	0	G	450

Cement from 6200 ft.

Intermediate: 9.625 in. @ 6200 ft.

Hole: 12.25 in. @ 6200 ft.

$TOC = 5992'$

Plug 2

$(355x)(1.15)(4.177) = 169'$

$(108')/(1.15)(4.177) = 22.55x$

$(12.55x)(1.15)(2.433) = 35'$

$TOC = 5957'$

### Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
11568	14993			
11308	12304			

Liner from 15137 ft. to 11334 ft.

Cement from 11530 ft.

Production: 7.625 in. @ 11530 ft.

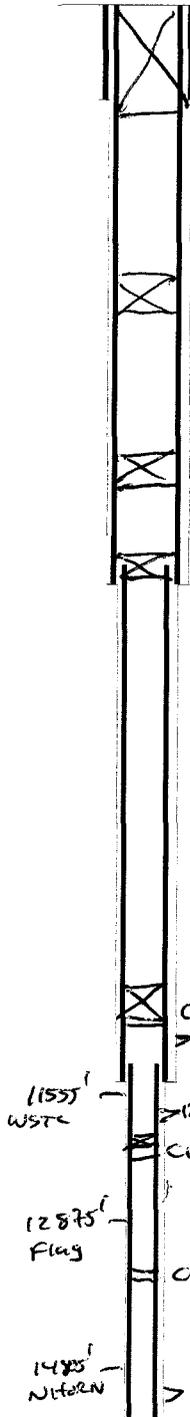
Hole: 8.75 in. @ 11530 ft.

Plug 1  
 $(255x)(1.15)(4.177) = 120'$   
 $TOC = 11080'$

### Formation Information

Formation	Depth	Formation	Depth
GRRV	9954		
WSTC	11555		
FLAG	12875		
NHORN	14805		

Capacities  
 $7 \frac{5}{8}"$ , 39# = 4.177 f/cf  
 $9 \frac{5}{8}"$ , 47# = 2.433 f/cf  
 $13 \frac{3}{8}" \times 9 \frac{5}{8}"$  = 2.982 f/cf  
 $5 \frac{1}{2}"$ , 20# = 8.031 f/cf



TD: 15140 TVD: PBD:

Dustin,

Here are the Altamont Bluebell P&A wells and their respective transition zone depths. The depth is the point at which the transition from the Green River formation to the Uinta formation occurs:

Wilkerson 1-20Z1 7819 ft  
CR Ames 1-23A4 5880 ft  
Summerral 1-30A1 5940 ft  
Hartman 1-31A3 5680 ft  
Powell 1-33A3 5700 ft *mod saline @ ~3196'*  
Karl Shisler U 1-3B1 5040 ft  
Fisher 1-7A3 6682 ft  
Remington 2-34A4 5855 ft  
Morris 2-7A3 6810 ft  
Lamicq-Urruty 1-8A2 6965 ft

I realize that I lack the depths for two of our wells, the Hamblin 1-26A2 and the Kendall 1-12A2. I expect you will need them also. I will contact our geologist in Houston tomorrow and pass those numbers along to you as soon as I receive them. I appologize for the confusion.

Please let me know if there is any other information I can provide. Thank you for your time.

Jonathan J. Vacca  
Jonathan.Vacca@EIPaso.com  
435-781-7015  
435-671-2720 (NEW mobile)  
435-781-7095 (fax)  
435-781-0336 (residence)  
1368 South 1200 East  
Vernal, Utah 84078

\*\*\*\*\*

This email and any files transmitted with it from the EIPaso Corporation are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the sender.

\*\*\*\*\*

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>FEE</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>POWELL 1-33A3</b>	
2. NAME OF OPERATOR: <b>EL PASO PRODUCTION OIL AND GAS COMPANY</b>	9. API NUMBER: <b>4301330105</b>	
3. ADDRESS OF OPERATOR: <b>1339 EL SEGUNDO NE ALBUQUERQUE NM 87113</b>	PHONE NUMBER: <b>(505) 344-9380</b>	10. FIELD AND POOL, OR WLD CAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>2340 FNL, 660 FEL</b>		COUNTY: <b>DUCHESNE</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 33 1S 3W</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> <b>PLUG AND ABANDON</b>	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

**OPERATOR REQUESTS THAT THE P&A APPROVAL DATED 01/15/02 BE EXTENDED.**

COPY SENT TO OPERATOR  
Date: 6/22/06  
By: [Signature]

NAME (PLEASE PRINT) <b>CHERYL CAMERON</b>	TITLE <b>REGULATORY ANALYST</b>
SIGNATURE <u>[Signature]</u>	DATE <b>6/22/2006</b>

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 6/30/06  
BY: [Signature]  
(See Instructions on Reverse Side)

**RECEIVED**  
**JUN 23 2006**

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>	
1. DJJ	
2. CDW	

Change of Operator (Well Sold)

**X Operator Name Change**

The operator of the well(s) listed below has changed, effective: <u>7/1/2006</u>	
<b>FROM: (Old Operator):</b> N1845-El Paso Production O&G Company 1001 Louisiana Street Houston, TX 77002 Phone: 1 (713) 420-2300	<b>TO: ( New Operator):</b> N3065-El Paso E&P Company, LP 1001 Louisiana Street Houston, TX 77002 Phone: 1 (713) 420-2131
<b>CA No.</b>	<b>Unit:</b>

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 7/5/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 7/5/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/30/2006
- Is the new operator registered in the State of Utah: YES Business Number: 2114377-0181
- If **NO**, the operator was contacted on: \_\_\_\_\_
- (R649-9-2) Waste Management Plan has been received on: \_\_\_\_\_ requested 7/18/06
- Inspections of LA PA state/fee well sites complete on: ok
- Reports current for Production/Disposition & Sundries on: \_\_\_\_\_
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA not yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 7/14/2006

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 7/19/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 7/19/2006
- Bond information entered in RBDMS on: 7/19/2006
- Fee/State wells attached to bond in RBDMS on: 7/19/2006
- Injection Projects to new operator in RBDMS on: 7/19/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on: 7/5/2006

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: 103601420
- Indian well(s) covered by Bond Number: 103601473
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 400JU0708
- The **FORMER** operator has requested a release of liability from their bond on: n/a applicable wells moved  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 7/20/2006

**COMMENTS:**

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>MULTIPLE LEASES</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>SEE ATTACHED</b>
2. NAME OF OPERATOR: <b>EL PASO PRODUCTION OIL AND GAS COMPANY</b> <i>N1845</i>		9. API NUMBER:
3. ADDRESS OF OPERATOR: 1339 EL SEGUNDO AVE NE ALBUQUERQUE NM 87113		10. FIELD AND POOL, OR WILDCAT: <b>SEE ATTACHED</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>SEE ATTACHED</b>		COUNTY: <b>UINTAH &amp; DUCHESNE</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: <b>CHANGE OF OPERATOR</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PLEASE BE ADVISED THAT EL PASO PRODUCTION OIL AND GAS COMPANY (CURRENT OPERATOR) HAS TRANSFERRED ITS OPERATORSHIP TO EL PASO E&P COMPANY, L.P. (NEW OPERATOR) EFFECTIVE ~~JUNE 30~~ *July 1*, 2006 AND THAT EL PASO E&P COMPANY, L.P. IS CONSIDERED TO BE THE NEW OPERATOR OF THE ATTACHED WELL LOCATIONS.

EL PASO E&P COMPANY, L.P. IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASED LANDS. BOND COVERAGE IS PROVIDED BY THE STATE OF UTAH STATEWIDE BLANKET BOND NO. 400JU0705, BUREAU OF LAND MANAGEMENT NATIONWIDE BOND NO. 103601420, AND BUREAU OF INDIAN AFFAIRS NATIONWIDE BOND NO. 103601473.

El Paso E & P Company, L. P. *N3065*  
1001 Louisiana  
Houston, TX 77002

*William M. Griffin*  
William M. Griffin, Sr. Vice President

NAME (PLEASE PRINT) <b>CHERYL CAMERON</b>	TITLE <b>AUTHORIZED REGULATORY AGENT</b>
SIGNATURE <i>Cheryl Cameron</i>	DATE <b>6/20/2006</b>

(This space for State use only)  
**APPROVED** *7/19/06*  
*Earlene Russell*  
Division of Oil, Gas and Mining  
**Earlene Russell, Engineering Technician** (See Instructions on Reverse Side)

**RECEIVED**  
**JUL 05 2006**  
DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>FEE</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>EL PASO E&amp;P COMPANY, L.P.</b>		8. WELL NAME and NUMBER: <b>POWELL 1-33A3</b>
3. ADDRESS OF OPERATOR: <b>1099 18TH ST, STE 1900</b> CITY <b>DENVER</b> STATE <b>CO</b> ZIP <b>80202</b>		9. API NUMBER: <b>4301330105</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>2340' FNL, 660' FEL</b>		10. FIELD AND POOL, OR WILDCAT: <b>ALTAMONT</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 33 1S 3W</b>		COUNTY: <b>DUCHESNE</b>  STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate)  Approximate date work will start: <b>5/1/2007</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <b>AMENDED</b>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only)  Date of work completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

**OPERATOR REQUESTS APPROVAL TO REVISE ITS ORIGINAL NOTICE OF INTENT TO P&A AS SET FORTH IN THE ATTACHED PROCEDURES.**

COPY SENT TO OPERATOR  
 Date: 5/24/07  
 Initials: CHD

NAME (PLEASE PRINT) <u>JENNIFER T. BECHTEL</u>	TITLE <u>SR. ENGINEERING ANALYST</u>
SIGNATURE <u>Jennifer T. Bechtel</u>	DATE <u>4/12/2007</u>

(This space for State use only)

**APPROVED BY THE STATE**  
**OF UTAH DIVISION OF**  
**OIL, GAS, AND MINING**  
 DATE: 5/22/07  
 BY: [Signature] (See Instructions on Reverse Side)  
 \*See conditions of Approval (Attached)

**RECEIVED**  
**APR 16 2007**

DIV. OF OIL, GAS & MINING



## PLUG AND ABANDONMENT PROGNOSIS

POWELL 1-33A3

API #: 43013301050  
SEC 33-T1S-R3W  
DUCHESNE COUNTY, UT

### WELL DATA:

ELEVATIONS: GL 6,196' KB 6,222'

FORMATION TOPS: GREEN RIVER 652 5,700', TGR3 @ 9,976'; WASATCH @ 11,342'

DRILL DEPTH: 15,140'

PBTD: 15,101'

### HOLE/CASING SIZES:

17-1/2" hole	13 3/8" 68# K-55 @ 315' w/ 450 SXS cement
12-1/4" hole	9-5/8" 47# CF-95 @ 6,200' with 700 SXS cement
	9-5/8" Top Job TOC @ 1029' w/ 300 SXS cement
8-3/4" hole	7-5/8" 39# S-95 @ 11,530' with 750 SXS cement
	7-5/8" 39# S-95 TOL @ 5,992' TOC 8000' EST
6" hole	5-1/2" 20 & 23# SOO-95 @ 15,137'
	5-1/2" 20 & 23# SOO-95 TOL @ 11,344'

PERFS: 9/93: 11,308-12,385'

### PACKERS & PLUGS:

9/93: CIBP @ 12,400'

5/77: CIBP @ 13,700'

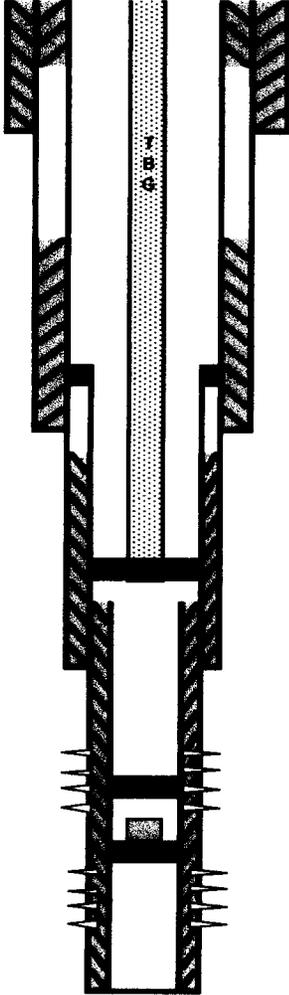
WELL HAS BEEN REPORTED AS SHUT IN SINCE 12/2001

CEMENT DESIGN: Class G Cement, 15.8 ppg, 1.15 FT3/SX. Displace with corrosion inhibited produced water.

### ABANDONMENT PROGNOSIS:

1. Notify DOGM of P&A operations at least 24 hrs prior to starting abandonment operations.
2. MIRUPU. Blow well down to tank and remove wellhead equipment. NU BOPE.

3. Attempt to release TAC @ 10872' & TOO H w/ 2 7/8" TBG. Note: TAC reported stuck 8-11-99. Wax ring reported @ 2300' 8-11-99.
4. PU notched collar, 4,900' 2 3/8" TBG w/ turned down collars & 6000' 2 3/8" TBG. Total 10900' 2 3/8" TBG. TIH to TOL @ 5,992'. Slowly TIH and tag fill. CIRC to TAC @ 10,872'. TOO H and stand back 6500'.
5. Release TAC @ 10,872'. TOO H w/ 2 7/8" TBG. If unable to release TAC, RIH w/ sand line to 4000'. (Possible wax ring at 2300'). RIH w/ 2 3/8" TBG to sand line depth and heat well w/ CTPW if necessary. RU WL and free point TBG. Cut off and fish TAC.
6. PU 6" bit and TIH to TOL @ 11,344'. Circulate hole w/ 100 BBLs corrosion inhibited produced water. TOO H.
7. TIH w/ 7 5/8" CIRC to 11,300'. Plug #1-Establish injection rate. Squeeze perforations w/ 60 SX class G cement. Pump 40 SX into CIRC and dump 20 SX on top. If unable to establish injection rate, spot 30 SX on top of CIRC.
8. Plug #2. Spot 100' stabilizer plug 7875-7975' w/25 SX Class G cement. WOC and tag.
9. Plug #3. Spot 100' stabilizer plug at top of Green River T652 5600-5700' w/ 40 SX Class G cement. WOC and tag.
10. Plug #4, spot 100' plug across top of BMSGW from 3150-3250' w/ 40 sx class G cement. WOC and tag plug. TOO H.
11. Pressure test 9 5/8" top job to 1000 PSI or establish injection rate & pressure down annulus.
12. Plug #5, RU WL and shoot squeeze holes in 9 5/8" at 365'. RIH w/ 9 5/8" CIRC to 315'. Establish injection rate and squeeze shoe w/ 60 SX class G cement. Pump 50 SX into and 10 SX on top.
13. Plug #6. TIH w/ 9 5/8" CIRC to 300' (TOC) and spot 10 SX on top.
14. Plug #7, TIH to 100' and spot 40 SX class G surface plug. Cement surface annulus via 1" tubing if necessary.
15. Cut off casing 3' below ground level and install dry hole plate. Dry hole plate to include well number, location, and lease name. RDMOPU.
16. Restore location.



GR 6196'  
KB 6222'  
INTERMEDIATE TOP JOB 300 SX CLASS G 1029'

SURFACE 13 3/8 66# K-55 450 SX 315'

POSSIBLE WAX RING @ 2300' 8/99

TOC 3628' CALCULATED

T852 @ 5700'

TOL 7 5/8" 39# S-95 5992'  
INTERMEDIATE 9 5/8 47# CF95 700 SX 6200'

TOC 8000' EST 5/72

TGR3 @ 9976'

TAC 10872' 2/98 STUCK 8/99

TOL 5 1/2" 20# & 23# SOO-95 11344'

LINER 7 5/8" 39# S-95 750SX 11530'

TWASATCH 11342'

PERFS 11380'-12304' 9/93  
PERFS 11568'-14953 10/72  
CIBP W/ 2 SX 12400' 9/93

FISH @ 12420' 10' & TBG & MILL 9/93  
MODEL N CIBP 13700' 5/77

PBTD 15101'  
LINER 5 1/2" 20# & 23# SOO-95 15137'  
TD 15140

HOLE SIZE	PIPE SIZE	WEIGHT	SET DEPTH		
17 1/2	13 3/8	66#	K-55	450 SX	315'
12 1/4	9 5/8	47#	CF95	700 SX	6200'
8 3/4	7 5/8"	39#	S-95	750SX	11530'
TOL	7 5/8"	39#	S-95		5992'
6	5 1/2"	20# & 23#	SOO-95		15137'
TOL	5 1/2"	20# & 23#	SOO-95		11344'

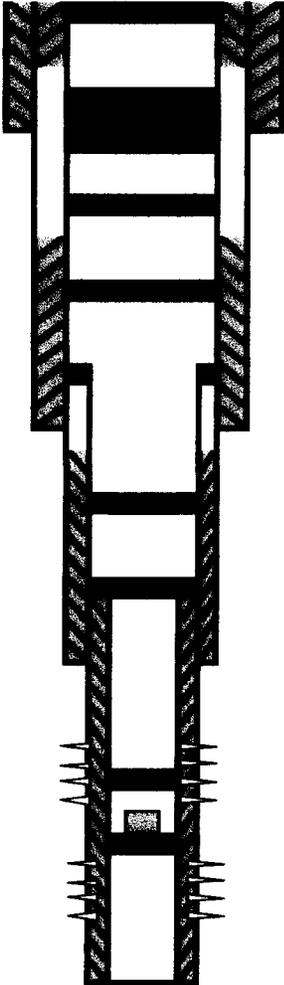
PERFORATIONS		
PERFS	11568'-14953'	10/72
PERFS	11896'-13922'	10/74
PERFS	12610'-13659'	5/77
CIBP	13700'	5/77
PERFS	12648'-13683'	7/81
PERFS	11380'-12590'	7/81
CIBP	12400'	9/93
PERFS	11308'-12304'	9/93
PERFS	11308'-12385'	OPEN

BHP	10/72	9214#
168 HOUR BU		
TBG		4636#

NOTE: NOT TO SCALE

TBG  
2 7/8" EUE 6.5# N-80 TAC @ 10872 2/98.  
SN @ 11,077?  
EOT @ 11,148?

WELL NAME: POWELL 1-33A3  
 PROPOSED P&A



GR 6196' PLUG #7 SURFACE PLUG 0'-100' W/ 40 SX  
 KB 6222'  
 INTERMEDIATE TOP JOB 300 SX CLASS G 1029'

HOLE SIZE	PIPE SIZE	WEIGHT		SET DEPTH
17 1/2	13 3/8	68#	K-55	450 SX 315'
12 1/4	9 5/8	47#	CF95	700 SX 6200'
8 3/4	7 5/8"	39#	S-95	750SX 11530'
TOL	7 5/8"	39#	S-95	5992'
6	5 1/2"	20# & 23#	SOO-95	15137'
TOL	5 1/2"	20# & 23#	SOO-95	11344'

PLUG #6 CICR @ 300' W/ 10 SX ON TOP  
 SURFACE 13 3/8 68# K-55 450 SX 315'  
 PLUG #5 9 5/8" CICR @ 315' W/ 50 SX INTO & 10 ON TOP  
 SQ HOLE @ 365'

PLUG #4 3150'-3250' W/ 40 SX CLASS G

TOC 3628' CALCULATED

PLUG #3 5600'-5700' W/ 40 SX CLASS G  
 T652 @ 5700'

TOL 7 5/8" 39# S-95 5992'  
 INTERMEDIATE 9 5/8 47# CF95 700 SX 6200'

TOC 8000' EST 5/72

PLUG #2 7875'-7975' W/ 25 SX CLASS G  
 TGR3 @ 9976'

PLUG #1 CICR @ 11300' W/ 60 SX CLASS G, 40 SX INTO & 20 ON TOP  
 TOL 5 1/2" 20# & 23# SOO-95 11344'

LINER 7 5/8" 39# S-95 750SX 11530'

TWASATCH 11342'

PERFS 11380'-12304' 9/93  
 PERFS 11568'-14953 10/72  
 CIBP W/ 2 SX 12400' 9/93

FISH @ 12420' 10' & TBG & MILL 9/93  
 MODEL N CIBP 13700' 5/77

PBTD 15101'  
 LINER 5 1/2" 20# & 23# SOO-95 15137'  
 TD 15140'

PERFORATIONS		
PERFS	11568'-14953'	10/72
PERFS	11896'-13922'	10/74
PERFS	12610'-13659'	5/77
CIBP	13700'	5/77
PERFS	12648'-13683'	7/81
PERFS	11380'-12590'	7/81
CIBP	12400'	9/93
PERFS	11308'-12304'	9/93
PERFS	11308'-12385'	OPEN

BHP	10/72	9214#
168 HOUR BU		
TBG		4636#

NOTE: NOT TO SCALE

TBG  
 2 7/8" EUE 6.5# N-80 TAC @ 10872 2/98.  
 SN @ 11,077?  
 EOT @ 11,148?



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## ***AMENDED CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL***

Well Name and Number: Powell 1-33A3  
API Number: 43-013-30105  
Operator: El Paso E&P Company, L.P.  
Reference Document: Original Sundry Notice dated April 12, 2007,  
received by DOGM on April 16, 2007

**This amends and replaces the procedure dated December 19, 2001 (received December 20, 2001) and approved on January 11, 2002.**

### Approval Conditions:

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
2. All annuli shall be cemented from a minimum depth of 100' to the surface.
3. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration. Evidence of compliance with this rule should be supplied to the Division upon completion of reclamation.
4. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
5. If there are any changes to the plugging procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.
6. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet  
Petroleum Engineer

May 22, 2007

Date



API Well No: 43-013-30105-00-00 Permit No:

Well Name/No: POWELL 1-33A3

Company Name: EL PASO E&P COMPANY, LP

Location: Sec: 33 T: 1S R: 3W Spot: SENE

Coordinates: X: 566240 Y: 4467003

Field Name: ALTAMONT

County Name: DUCHESNE

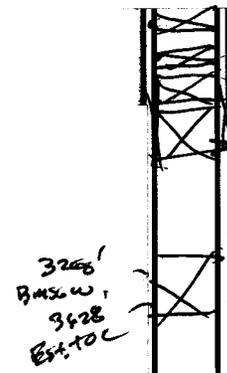
String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacities (ft/cf)
HOL1	315	17.5			
SURF	315	13.375	68	315	
HOL2	6200	12.25			2.433
II	6200	9.625	47	6200	
HOL3	11530	8.75			4.177
PROD	11530	7.625	39	5538	
HOL4	15140	6			8.031
L1	15137	5.5	20	3806	

Plug #7  
 $405x = 112' \checkmark$  o.k.

Plug #6  
 $105x = 28'$

Cement from 315 ft. to surface  
 Surface: 13.375 in. @ 315 ft.  
 Hole: 17.5 in. @ 315 ft. Plug #5 (Step #12)



Below  $52' / (1.15) (4.952) = 295x$   
 $52' / (1.15) (2.982) = 155x$   
 $52' / (1.15) (2.433) = 132x$   
 $52' = 135x$   
 $105x = 28'$   
 $805x$  total  
 $625x$  proposed o.k. (see above)  
 $58$  burstout 12.81" hole o.k.

Plug #4 (Step #10)  
 $405x = 112' \checkmark$  o.k.  
 $70c = \pm 3150'$

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
II	6200		PC	250
II	6200		G	450
L1	15137		G	814
PROD	11530		PC	50
PROD	11530		HC	600
PROD	11530		G	100
SURF	315	0	G	450

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
11568	14993			

Plug #3 (Step #9)  
 $(405x)(1.15)(2.433) = 112'$   
 $70c = 5600'$  o.k.

Plug #2 (Step #8)  
 $(255x)(1.15)(4.177) = 120'$

Liner from 15137 ft. to 11334 ft.

Cement from 11530 ft.

Production: 7.625 in. @ 11530 ft.

Hole: 8.75 in. @ 11530 ft.

Formation Information

Formation	Depth
GRRV	9954
WSTC	11555
FLAG	12875
NHORN	14805

Plug #1 (Step #7)

Below  $34' / (1.15) (4.177) = 75x$

$(335x)(1.15)(8.031) = 305'$   
 max BOC = 11638

Above  $(205x)(1.15)(4.177) = 96'$  o.k.

Hole: 6 in. @ 15140 ft.

Alternative  $(305x)(1.15)(4.177) = 144'$  o.k.

TD: 15140 TVD: PBTD:

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>FEE</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>EL PASO E&amp;P COMPANY, L.P.</b>		8. WELL NAME and NUMBER: <b>POWELL 1-33A3</b>
3. ADDRESS OF OPERATOR: <b>1099 18TH ST, STE 1900</b> CITY <b>DENVER</b> STATE <b>CO</b> ZIP <b>80202</b>		9. API NUMBER: <b>4301330105</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>2340' FNL, 660' FEL</b>		10. FIELD AND POOL, OR WILDCAT: <b>ALTAMONT</b>
QTR/QTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 33 1S 3W</b>		COUNTY: <b>DUCHESNE</b>
		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <b>6/13/2007</b>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

**OPERATOR PLUGGED AND ABANDONED THE SUBJECT WELL AS FOLLOWS:**

6/2/2007 RIH W/ TBG CUTTER AND HIT WAX @ 1462'. RIH W/ WAX CUTTER AND CUT TO 1780'. RU DELSCO AND CUT WAX @ 1451'. CUT PARAFFIN FROM 3900' - 1435'. FREE POINT AND CUT TBG @ 9600'.  
 PLUG #1: SET CICR @ 9559'. SPOT 42 SX CLASS G CMT ON TOP. TOC @ 9358'.  
 PLUG #2: SPOT PLUG W/ 30 SX CLASS G CMT FROM 7828' - 7978'.  
 PLUG #3: SPOT PLUG W/ 50 SX CLASS G CMT FROM 5600' - 5703'.  
 PLUG #4: SPOT PLUG W/ 110 SX CLASS G CMT FROM 3137' - 3250'. P-TEST CSG TO 1000 PSI, OK.  
 PLUG #5: SPOT PLUG W/ 45 SX CLASS G CMT FROM 924' - 1050'.  
 PLUG #6: SET CICR @ 315'. SPOT 55 SX CLASS G CMT. TOC @ 161'.  
 PLUG #7: SPOT 55 SX CLASS G CMT 100' TO SURFACE. WELD ON INFO PLATE.

WELL P&A 6/13/2007. PLUGGING WITNESSED BY DENNIS INGRAM, DOGM.

**RECEIVED**  
**JUN 26 2007**

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>LISA PRETZ</u>	TITLE <u>ENGINEERING TECH</u>
SIGNATURE	DATE <u>6/18/2007</u>

(This space for State use only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
**CDW**

**X - Change of Operator (Well Sold)**

**Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective:

**6/1/2012**

<b>FROM: (Old Operator):</b> N3065- El Paso E&P Company, L.P. 1001 Louisiana Street Houston, TX. 77002  Phone: 1 (713) 997-5038	<b>TO: ( New Operator):</b> N3850- EP Energy E&P Company, L.P. 1001 Louisiana Street Houston, TX. 77002  Phone: 1 (713) 997-5038
--	---

CA No.		Unit:			N/A			
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/25/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2012
- Is the new operator registered in the State of Utah:          Business Number: 2114377-0181
- (R649-9-2)Waste Management Plan has been received on:          Yes
- Inspections of LA PA state/fee well sites complete on:          N/A
- Reports current for Production/Disposition & Sundries on:          6/25/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on:          BLM          N/A          BIA          Not Received
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on:          N/A
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on:          N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:          **Second Oper Chg**

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on:          6/29/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on:          6/29/2012
- Bond information entered in RBDMS on:          6/29/2012
- Fee/State wells attached to bond in RBDMS on:          6/29/2012
- Injection Projects to new operator in RBDMS on:          6/29/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on:          N/A

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number:          103601420
- Indian well(s) covered by Bond Number:          103601473
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number          400JU0705
- The **FORMER** operator has requested a release of liability from their bond on:          N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:          6/29/2012

**COMMENTS:**

Disposal and Injections wells will be moved when UIC 5 is received.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**Multiple Leases**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
**See Attached**

2. NAME OF OPERATOR:  
**El Paso E&P Company, L.P. Attn: Maria Gomez**

9. API NUMBER:

3. ADDRESS OF OPERATOR:  
1001 Louisiana CITY Houston STATE TX ZIP 77002 PHONE NUMBER: (713) 997-5038

10. FIELD AND POOL, OR WILDCAT:  
**See Attached**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **See Attached**

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
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	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
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<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <b>Change of</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<b>Name/Operator</b>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that El Paso E&P Company, L.P. (current Operator) has changed names to EP Energy E&P Company, L.P. (new Operator) effective June 1, 2012 and that EP Energy E&P Company, L.P. is considered the new operator of the attached well locations.

EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian Affairs Nationwide Bond No. 103601473.

  
Frank W. Falleri  
Vice President  
El Paso E&P Company, L.P.

  
Frank W. Falleri  
Sr. Vice President  
EP Energy E&P Company, L.P.

NAME (PLEASE PRINT) Maria S. Gomez

TITLE Principal Regulatory Analyst

SIGNATURE Maria S. Gomez

DATE 6/22/2012

(This space for State use only)

RECEIVED

JUN 25 2012

DIV. OF OIL, GAS & MINING

APPROVED 6/29/2012

Rachel Medina

(See Instructions on Reverse Side)

Division of Oil, Gas and Mining

Earlene Russell, Engineering Technician

Rachel Medina

Well Name	Sec	TWP	RNG	API Number	Entity	Lease Type	Well Type	Well Status	Conf
DWR 3-17C6	17	030S	060W	4301350070		14204621118	OW	APD	C
LAKEWOOD ESTATES 3-33C6	33	030S	060W	4301350127		1420H621328	OW	APD	C
YOUNG 3-15A3	15	010S	030W	4301350122		FEE	OW	APD	C
WHITING 4-1A2	01	010S	020W	4301350424		Fee	OW	APD	C
EL PASO 4-34A4	34	010S	040W	4301350720		Fee	OW	APD	C
YOUNG 2-2B1	02	020S	010W	4304751180		FEE	OW	APD	C
LAKE FORK RANCH 3-10B4	10	020S	040W	4301350712	18221	Fee	OW	DRL	C
LAKE FORK RANCH 4-26B4	26	020S	040W	4301350714	18432	Fee	OW	DRL	C
LAKE FORK RANCH 4-24B4	24	020S	040W	4301350717	18315	Fee	OW	DRL	C
Cook 4-14B3	14	020S	030W	4301351162	18449	Fee	OW	DRL	C
Peterson 4-22C6	22	030S	060W	4301351163	18518	Fee	OW	DRL	C
Lake Fork Ranch 4-14B4	14	020S	040W	4301351240	99999	Fee	OW	DRL	C
Melesco 4-20C6	20	030S	060W	4301351241	99999	Fee	OW	DRL	C
Peck 3-13B5	13	020S	050W	4301351364	99999	Fee	OW	DRL	C
Jensen 2-9C4	09	030S	040W	4301351375	99999	Fee	OW	DRL	C
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	C
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERRHANSLY 2-2A1	02	010S	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15	030S	060W	4301351433		14-20-H62-4724	OW	NEW	C
Lake Fork Ranch 5-23B4	23	020S	040W	4301350739		Fee	OW	NEW	
Duchesne Land 4-10C5	10	030S	050W	4301351262		Fee	OW	NEW	C
Cabinland 4-9B3	09	020S	030W	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02	020S	030W	4301351389		Fee	OW	NEW	C
Golinski 4-24B5	24	020S	050W	4301351404		Fee	OW	NEW	C
Alba 1-21C4	21	030S	040W	4301351460		Fee	OW	NEW	C
Allison 4-19C5	19	030S	050W	4301351466		Fee	OW	NEW	C
Seeley 4-3B3	03	020S	030W	4301351486		Fee	OW	NEW	C
Allen 4-25B5	25	020S	050W	4301351487		Fee	OW	NEW	C
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	C
Young 2-7C4	07	030S	040W	4301351500		Fee	OW	NEW	C
Brighton 3-31A1E	31	010S	010E	4304752471		Fee	OW	NEW	C
Hamaker 3-25A1	25	010S	010W	4304752491		Fee	OW	NEW	C
Bolton 3-29A1E	29	010S	010E	4304752871		Fee	OW	NEW	C
HORROCKS 5-20A1	20	010S	010W	4301334280	17378	FEE	OW	OPS	C
DWR 3-19C6	19	030S	060W	4301334263	17440	14-20-462-1120	OW	P	
DWR 3-22C6	22	030S	060W	4301334106	17298	14-20-462-1131	OW	P	
DWR 3-28C6	28	030S	060W	4301334264	17360	14-20-462-1323	OW	P	
UTE 1-7A2	07	010S	020W	4301330025	5850	14-20-462-811	OW	P	
UTE 2-17C6	17	030S	060W	4301331033	10115	14-20-H62-1118	OW	P	
WLR TRIBAL 2-19C6	19	030S	060W	4301331035	10250	14-20-H62-1120	OW	P	
CEDAR RIM 10-A-15C6	15	030S	060W	4301330615	6420	14-20-H62-1128	OW	P	
CEDAR RIM 12A	28	030S	060W	4301331173	10672	14-20-H62-1323	OW	P	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	P	
TAYLOR 3-34C6	34	030S	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34	030S	060W	4301332634	14590	14-20-H62-1329	OW	P	
UTE 3-35Z2 K	35	010N	020W	4301331133	10483	14-20-H62-1614	OW	P	
UTE 1-32Z2	32	010N	020W	4301330379	1915	14-20-H62-1702	OW	P	
UTE TRIBAL 1-33Z2	33	010N	020W	4301330334	1851	14-20-H62-1703	OW	P	
UTE 2-33Z2	33	010N	020W	4301331111	10451	14-20-H62-1703	OW	P	
UTE TRIBAL 2-34Z2	34	010N	020W	4301331167	10668	14-20-H62-1704	OW	P	
LAKE FORK RANCH 3-13B4	13	020S	040W	4301334262	17439	14-20-H62-1743	OW	P	
UTE 1-28B4	28	020S	040W	4301330242	1796	14-20-H62-1745	OW	P	
UTE 1-34A4	34	010S	040W	4301330076	1585	14-20-H62-1774	OW	P	
UTE 1-36A4	36	010S	040W	4301330069	1580	14-20-H62-1793	OW	P	
UTE 1-1B4	01	020S	040W	4301330129	1700	14-20-H62-1798	OW	P	
UTE 1-31A2	31	010S	020W	4301330401	1925	14-20-H62-1801	OW	P	

El Paso E2 Company, L.P. (N3065) to EP Energy E2 Company, L.P. (N3850) effective 6/1/2012

UTE 1-25A3	25	010S	030W	4301330370	1920	14-20-H62-1802	OW	P	
UTE 2-25A3	25	010S	030W	4301331343	11361	14-20-H62-1802	OW	P	
UTE 1-26A3	26	010S	030W	4301330348	1890	14-20-H62-1803	OW	P	
UTE 2-26A3	26	010S	030W	4301331340	11349	14-20-H62-1803	OW	P	
UTE TRIBAL 4-35A3	35	010S	030W	4301350274	18009	1420H621804	OW	P	C
UTE 2-35A3	35	010S	030W	4301331292	11222	14-20-H62-1804	OW	P	
UTE 3-35A3	35	010S	030W	4301331365	11454	14-20-H62-1804	OW	P	
UTE 1-6B2	06	020S	020W	4301330349	1895	14-20-H62-1807	OW	P	
UTE 2-6B2	06	020S	020W	4301331140	11190	14-20-H62-1807	OW	P	
UTE TRIBAL 3-6B2	06	020S	020W	4301350273	18008	14-20-H62-1807	OW	P	C
POWELL 4-19A1	19	010S	010W	4301330071	8302	14-20-H62-1847	OW	P	
COLTHARP 1-27Z1	27	010N	010W	4301330151	4700	14-20-H62-1933	OW	P	
UTE 1-8A1E	08	010S	010E	4304730173	1846	14-20-H62-2147	OW	P	
UTE TRIBE 1-31	31	010N	020W	4301330278	4755	14-20-H62-2421	OW	P	
UTE 1-28B6X	28	020S	060W	4301330510	11165	14-20-H62-2492	OW	P	
RINKER 2-21B5	21	020S	050W	4301334166	17299	14-20-H62-2508	OW	P	
MURDOCK 2-34B5	34	020S	050W	4301331132	10456	14-20-H62-2511	OW	P	
UTE 1-35B6	35	020S	060W	4301330507	2335	14-20-H62-2531	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	14-20-H62-2658	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	14-20-H62-2658	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	14-20-H62-2662	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	14-20-H62-2717	OW	P	
UTE TRIBAL P-3B1E	03	020S	010E	4304730190	4536	14-20-H62-2873	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	14-20-H62-3103	OW	P	
B H UTE 1-35C6	35	030S	060W	4301330419	10705	14-20-H62-3436	OW	P	
BH UTE 2-35C6	35	030S	060W	4301332790	15802	14-20-H62-3436	OW	P	
MCFARLANE 1-4D6	04	040S	060W	4301331074	10325	14-20-H62-3452	OW	P	
UTE TRIBAL 1-11D6	11	040S	060W	4301330482	6415	14-20-H62-3454	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	14-20-H62-3806	OW	P	
UTE 2-14C6	14	030S	060W	4301330775	9133	14-20-H62-3809	OW	P	
DWR 3-14C6	14	030S	060W	4301334003	17092	14-20-H62-3809	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	14-20-H62-3855	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	14-20-H62-3860	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	14-20-H62-3868	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	14-20-H62-3880	OW	P	
UTE TRIBAL 1-30Z1	30	010N	010W	4301330813	9405	14-20-H62-3910	OW	P	
UTE LB 1-13A3	13	010S	030W	4301330894	9402	14-20-H62-3980	OW	P	
UTE 2-22B6	22	020S	060W	4301331444	11641	14-20-H62-4614	OW	P	
UINTA OURAY 1-1A3	01	010S	030W	4301330132	5540	14-20-H62-4664	OW	P	
UTE 1-6D6	06	040S	060W	4301331696	12058	14-20-H62-4752	OW	P	
UTE 2-11D6	11	040S	060W	4301350179	17667	1420H624801	OW	P	
UTE 1-15D6	15	040S	060W	4301330429	10958	14-20-H62-4824	OW	P	
UTE 2-15D6	15	040S	060W	4301334026	17193	14-20-H62-4824	OW	P	
HILL 3-24C6	24	030S	060W	4301350293	18020	1420H624866	OW	P	C
BARCLAY UTE 2-24C6R	24	030S	060W	4301333730	16385	14-20-H62-4866	OW	P	
BROTHERSON 1-2B4	02	020S	040W	4301330062	1570	FEE	OW	P	
BOREN 1-24A2	24	010S	020W	4301330084	5740	FEE	OW	P	
FARNSWORTH 1-13B5	13	020S	050W	4301330092	1610	FEE	OW	P	
BROADHEAD 1-21B6	21	020S	060W	4301330100	1595	FEE	OW	P	
ASAY E J 1-20A1	20	010S	010W	4301330102	8304	FEE	OW	P	
HANSON TRUST 1-5B3	05	020S	030W	4301330109	1635	FEE	OW	P	
ELLSWORTH 1-8B4	08	020S	040W	4301330112	1655	FEE	OW	P	
ELLSWORTH 1-9B4	09	020S	040W	4301330118	1660	FEE	OW	P	
ELLSWORTH 1-17B4	17	020S	040W	4301330126	1695	FEE	OW	P	
CHANDLER 1-5B4	05	020S	040W	4301330140	1685	FEE	OW	P	
HANSON 1-32A3	32	010S	030W	4301330141	1640	FEE	OW	P	
JESSEN 1-17A4	17	010S	040W	4301330173	4725	FEE	OW	P	

El Paso E3 Company, L.P. (N3065) to EP Energy E3 Company, L.P. (N3850) effective 6/1/2012

JENKINS 1-1B3	01	020S	030W	4301330175	1790	FEE	OW	P
GOODRICH 1-2B3	02	020S	030W	4301330182	1765	FEE	OW	P
ELLSWORTH 1-19B4	19	020S	040W	4301330183	1760	FEE	OW	P
DOYLE 1-10B3	10	020S	030W	4301330187	1810	FEE	OW	P
JOS. SMITH 1-17C5	17	030S	050W	4301330188	5510	FEE	OW	P
RUDY 1-11B3	11	020S	030W	4301330204	1820	FEE	OW	P
CROOK 1-6B4	06	020S	040W	4301330213	1825	FEE	OW	P
HUNT 1-21B4	21	020S	040W	4301330214	1840	FEE	OW	P
LAWRENCE 1-30B4	30	020S	040W	4301330220	1845	FEE	OW	P
YOUNG 1-29B4	29	020S	040W	4301330246	1791	FEE	OW	P
GRIFFITHS 1-33B4	33	020S	040W	4301330288	4760	FEE	OW	P
POTTER 1-2B5	02	020S	050W	4301330293	1826	FEE	OW	P
BROTHERSON 1-26B4	26	020S	040W	4301330336	1856	FEE	OW	P
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	FEE	OW	P
POTTER 1-24B5	24	020S	050W	4301330356	1730	FEE	OW	P
WHITEHEAD 1-22A3	22	010S	030W	4301330357	1885	FEE	OW	P
CHASEL MILLER 2-1A2	01	010S	020W	4301330360	5830	FEE	OW	P
ELDER 1-13B2	13	020S	020W	4301330366	1905	FEE	OW	P
BROTHERSON 2-10B4	10	020S	040W	4301330443	1615	FEE	OW	P
FARNSWORTH 2-7B4	07	020S	040W	4301330470	1935	FEE	OW	P
TEW 1-15A3	15	010S	030W	4301330529	1945	FEE	OW	P
UTE FEE 2-20C5	20	030S	050W	4301330550	4527	FEE	OW	P
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	FEE	OW	P
GALLOWAY 1-18B1	18	020S	010W	4301330575	2365	FEE	OW	P
SMITH 1-31B5	31	020S	050W	4301330577	1955	FEE	OW	P
LEBEAU 1-34A1	34	010S	010W	4301330590	1440	FEE	OW	P
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	P
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	P
POWELL 1-21B1	21	020S	010W	4301330621	910	FEE	OW	P
HANSEN 1-24B3	24	020S	030W	4301330629	2390	FEE	OW	P
OMAN 2-4B4	04	020S	040W	4301330645	9125	FEE	OW	P
DYE 1-25Z2	25	010N	020W	4301330659	9111	FEE	OW	P
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	P
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	P
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	P
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	FEE	OW	P
CHRISTENSEN 2-8B3	08	020S	030W	4301330780	9355	FEE	OW	P
LAMICQ 2-5B2	05	020S	020W	4301330784	2302	FEE	OW	P
BROTHERSON 2-14B4	14	020S	040W	4301330815	10450	FEE	OW	P
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	P
HORROCKS 2-20A1 V	20	010S	010W	4301330833	8301	FEE	OW	P
BROTHERSON 2-2B4	02	020S	040W	4301330855	8420	FEE	OW	P
ELLSWORTH 2-8B4	08	020S	040W	4301330898	2418	FEE	OW	P
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	P
BELCHER 2-33B4	33	020S	040W	4301330907	9865	FEE	OW	P
BROTHERSON 2-35B5	35	020S	050W	4301330908	9404	FEE	OW	P
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	P
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P
CHANDLER 2-5B4	05	020S	040W	4301331000	10075	FEE	OW	P
BABCOCK 2-12B4	12	020S	040W	4301331005	10215	FEE	OW	P
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	FEE	OW	P
BLEAZARD 2-18B4	18	020S	040W	4301331025	1566	FEE	OW	P
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P
ELLSWORTH 2-16B4	16	020S	040W	4301331046	10217	FEE	OW	P
RUST 3-4B3	04	020S	030W	4301331070	1576	FEE	OW	P
HANSON TRUST 2-32A3	32	010S	030W	4301331072	1641	FEE	OW	P
BROTHERSON 2-11B4	11	020S	040W	4301331078	1541	FEE	OW	P

El Paso E4 Company, L.P. (N3065) to EP Energy E4 Company, L.P. (N3850) effective 6/1/2012

HANSON TRUST 2-5B3	05	020S	030W	4301331079	1636	FEE	OW	P
BROTHERSON 2-15B4	15	020S	040W	4301331103	1771	FEE	OW	P
MONSEN 2-27A3	27	010S	030W	4301331104	1746	FEE	OW	P
ELLSWORTH 2-19B4	19	020S	040W	4301331105	1761	FEE	OW	P
HUNT 2-21B4	21	020S	040W	4301331114	1839	FEE	OW	P
JENKINS 2-1B3	01	020S	030W	4301331117	1792	FEE	OW	P
POTTER 2-24B5	24	020S	050W	4301331118	1731	FEE	OW	P
POWELL 2-13A2 K	13	010S	020W	4301331120	8306	FEE	OW	P
JENKINS 2-12B3	12	020S	030W	4301331121	10459	FEE	OW	P
MURDOCK 2-26B5	26	020S	050W	4301331124	1531	FEE	OW	P
BIRCH 3-27B5	27	020S	050W	4301331126	1783	FEE	OW	P
ROBB 2-29B5	29	020S	050W	4301331130	10454	FEE	OW	P
LAKE FORK 2-13B4	13	020S	040W	4301331134	10452	FEE	OW	P
DUNCAN 3-1A2 K	01	010S	020W	4301331135	10484	FEE	OW	P
HANSON 2-9B3	09	020S	030W	4301331136	10455	FEE	OW	P
ELLSWORTH 2-9B4	09	020S	040W	4301331138	10460	FEE	OW	P
UTE 2-31A2	31	010S	020W	4301331139	10458	FEE	OW	P
POWELL 2-19A1 K	19	010S	010W	4301331149	8303	FEE	OW	P
CEDAR RIM 8-A	22	030S	060W	4301331171	10666	FEE	OW	P
POTTER 2-6B4	06	020S	040W	4301331249	11038	FEE	OW	P
MILES 2-1B5	01	020S	050W	4301331257	11062	FEE	OW	P
MILES 2-3B3	03	020S	030W	4301331261	11102	FEE	OW	P
MONSEN 2-22A3	22	010S	030W	4301331265	11098	FEE	OW	P
WRIGHT 2-13B5	13	020S	050W	4301331267	11115	FEE	OW	P
TODD 2-21A3	21	010S	030W	4301331296	11268	FEE	OW	P
WEIKART 2-29B4	29	020S	040W	4301331298	11332	FEE	OW	P
YOUNG 2-15A3	15	010S	030W	4301331301	11344	FEE	OW	P
CHRISTENSEN 2-29A4	29	010S	040W	4301331303	11235	FEE	OW	P
BLEAZARD 2-28B4	28	020S	040W	4301331304	11433	FEE	OW	P
REARY 2-17A3	17	010S	030W	4301331318	11251	FEE	OW	P
LAZY K 2-11B3	11	020S	030W	4301331352	11362	FEE	OW	P
LAZY K 2-14B3	14	020S	030W	4301331354	11452	FEE	OW	P
MATTHEWS 2-13B2	13	020S	020W	4301331357	11374	FEE	OW	P
LAKE FORK 3-15B4	15	020S	040W	4301331358	11378	FEE	OW	P
STEVENSON 3-29A3	29	010S	030W	4301331376	11442	FEE	OW	P
MEEKS 3-8B3	08	020S	030W	4301331377	11489	FEE	OW	P
ELLSWORTH 3-20B4	20	020S	040W	4301331389	11488	FEE	OW	P
DUNCAN 5-13A2	13	010S	020W	4301331516	11776	FEE	OW	P
OWL 3-17C5	17	030S	050W	4301332112	12476	FEE	OW	P
BROTHERSON 2-24 B4	24	020S	040W	4301332695	14652	FEE	OW	P
BODRERO 2-15B3	15	020S	030W	4301332755	14750	FEE	OW	P
BROTHERSON 2-25B4	25	020S	040W	4301332791	15044	FEE	OW	P
CABINLAND 2-16B3	16	020S	030W	4301332914	15236	FEE	OW	P
KATHERINE 3-29B4	29	020S	040W	4301332923	15331	FEE	OW	P
SHRINERS 2-10C5	10	030S	050W	4301333008	15908	FEE	OW	P
BROTHERSON 2-26B4	26	020S	040W	4301333139	17047	FEE	OW	P
MORTENSEN 4-32A2	32	010S	020W	4301333211	15720	FEE	OW	P
FERRARINI 3-27B4	27	020S	040W	4301333265	15883	FEE	OW	P
RHOADES 2-25B5	25	020S	050W	4301333467	16046	FEE	OW	P
CASE 2-31B4	31	020S	040W	4301333548	16225	FEE	OW	P
ANDERSON-ROWLEY 2-24B3	24	020S	030W	4301333616	16284	FEE	OW	P
SPROUSE BOWDEN 2-18B1	18	020S	010W	4301333808	16677	FEE	OW	P
BROTHERSON 3-11B4	11	020S	040W	4301333904	16891	FEE	OW	P
KOFFORD 2-36B5	36	020S	050W	4301333988	17048	FEE	OW	P
ALLEN 3-7B4	07	020S	040W	4301334027	17166	FEE	OW	P
BOURNAKIS 3-18B4	18	020S	040W	4301334091	17264	FEE	OW	P
MILES 3-12B5	12	020S	050W	4301334110	17316	FEE	OW	P
OWL and HAWK 2-31B5	31	020S	050W	4301334123	17388	FEE	OW	P

El Paso E5 Company, L.P. (N3065) to EP Energy E5 Company, L.P. (N3850) effective 6/1/2012

OWL and HAWK 4-17C5	17	030S	050W	4301334193	17387	FEE	OW	P	
DWR 3-32B5	32	020S	050W	4301334207	17371	FEE	OW	P	
LAKE FORK RANCH 3-22B4	22	020S	040W	4301334261	17409	FEE	OW	P	
HANSON 3-9B3	09	020S	030W	4301350065	17570	FEE	OW	P	
DYE 2-28A1	28	010S	010W	4301350066	17531	FEE	OW	P	
MEEKS 3-32A4	32	010S	040W	4301350069	17605	FEE	OW	P	
HANSON 4-8B3	08	020S	030W	4301350088	17571	FEE	OW	P	C
LAKE FORK RANCH 3-14B4	14	020S	040W	4301350097	17484	FEE	OW	P	
ALLEN 3-9B4	09	020S	040W	4301350123	17656	FEE	OW	P	
HORROCKS 4-20A1	20	010S	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	010S	010W	4301350166	17573	FEE	OW	P	
HUTCHINS/CHiodo 3-20C5	20	030S	050W	4301350190	17541	FEE	OW	P	
ALLEN 3-8B4	08	020S	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	030S	050W	4301350193	17532	FEE	OW	P	
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	P	
EL PASO 4-29B5	29	020S	050W	4301350208	17934	FEE	OW	P	C
DONIHUE 3-20C6	20	030S	060W	4301350270	17762	FEE	OW	P	
HANSON 3-5B3	05	020S	030W	4301350275	17725	FEE	OW	P	C
SPRATT 3-26B5	26	020S	050W	4301350302	17668	FEE	OW	P	
REBEL 3-35B5	35	020S	050W	4301350388	17911	FEE	OW	P	C
FREEMAN 4-16B4	16	020S	040W	4301350438	17935	Fee	OW	P	C
WILSON 3-36B5	36	020S	050W	4301350439	17936	Fee	OW	P	C
EL PASO 3-21B4	21	020S	040W	4301350474	18123	Fee	OW	P	C
IORG 4-12B3	12	020S	030W	4301350487	17981	Fee	OW	P	C
CONOVER 3-3B3	03	020S	030W	4301350526	18122	Fee	OW	P	C
ROWLEY 3-16B4	16	020S	040W	4301350569	18151	Fee	OW	P	C
POTTS 3-14B3	14	020S	030W	4301350570	18366	Fee	OW	P	C
POTTER 4-27B5	27	020S	050W	4301350571	99999	Fee	OW	P	C
EL PASO 4-21B4	21	020S	040W	4301350572	18152	Fee	OW	P	C
LAKE FORK RANCH 3-26B4	26	020S	040W	4301350707	18270	Fee	OW	P	C
LAKE FORK RANCH 3-25B4	25	020S	040W	4301350711	18220	Fee	OW	P	C
LAKE FORK RANCH 4-23B4	23	020S	040W	4301350713	18271	Fee	OW	P	C
LAKE FORK RANCH 4-15B4	15	020S	040W	4301350715	18314	Fee	OW	P	C
LAKE FORK RANCH 3-24B4	24	020S	040W	4301350716	18269	Fee	OW	P	C
GOLINSKI 1-8C4	08	030S	040W	4301350986	18301	Fee	OW	P	C
J ROBERTSON 1-1B1	01	020S	010W	4304730174	5370	FEE	OW	P	
TIMOTHY 1-8B1E	08	020S	010E	4304730215	1910	FEE	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	FEE	OW	P	
NELSON 1-31A1E	31	010S	010E	4304730671	830	FEE	OW	P	
ROSEMARY LLOYD 1-24A1E	24	010S	010E	4304730707	840	FEE	OW	P	
H D LANDY 1-30A1E	30	010S	010E	4304730790	845	FEE	OW	P	
WALKER 1-14A1E	14	010S	010E	4304730805	855	FEE	OW	P	
BOLTON 2-29A1E	29	010S	010E	4304731112	900	FEE	OW	P	
PRESCOTT 1-35Z1	35	010N	010W	4304731173	1425	FEE	OW	P	
BISEL GURR 11-1	11	010S	010W	4304731213	8438	FEE	OW	P	
UTE TRIBAL 2-22A1E	22	010S	010E	4304731265	915	FEE	OW	P	
L. BOLTON 1-12A1	12	010S	010W	4304731295	920	FEE	OW	P	
FOWLES 1-26A1	26	010S	010W	4304731296	930	FEE	OW	P	
BRADLEY 23-1	23	010S	010W	4304731297	8435	FEE	OW	P	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	FEE	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	FEE	OW	P	
D MOON 1-23Z1	23	010N	010W	4304731479	10310	FEE	OW	P	
O MOON 2-26Z1	26	010N	010W	4304731480	10135	FEE	OW	P	
LILA D 2-25A1	25	010S	010W	4304731797	10790	FEE	OW	P	
LANDY 2-30A1E	30	010S	010E	4304731895	11127	FEE	OW	P	
WINN P2-3B1E	03	020S	010E	4304732321	11428	FEE	OW	P	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	FEE	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	FEE	OW	P	

El Paso E6 Company, L.P. (N3065) to EP Energy E6 Company, L.P. (N3850) effective 6/1/2012

HARVEST FELLOWSHIP CHURCH 2-14B1	14	020S	010W	4304739591	16546	FEE	OW	P
OBERHANSLY 3-11A1	11	010S	010W	4304739679	17937	FEE	OW	P
DUNCAN 2-34A1	34	010S	010W	4304739944	17043	FEE	OW	P
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	FEE	OW	P
KILLIAN 3-12A1	12	010S	010W	4304740226	17761	ML 39760	OW	P
WAINOCO ST 1-14B1	14	020S	010W	4304730818	1420	ML-24306-A	OW	P
UTAH ST UTE 1-35A1	35	010S	010W	4304730182	5520	ML-25432	OW	P
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	P
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	P
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	P
BLANCHARD 1-3A2	03	010S	020W	4301320316	5877	FEE	OW	PA
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA
YACK U 1-7A1	07	010S	010W	4301330018	5795	FEE	OW	PA
JAMES POWELL 3	13	010S	020W	4301330024	8305	FEE	WD	PA
BASTIAN 1 (3-7D)	07	010S	010W	4301330026	5800	FEE	OW	PA
LAMICQ-URRUTY 1-8A2	08	010S	020W	4301330036	5975	FEE	OW	PA
BLEAZARD 1-18B4	18	020S	040W	4301330059	11262	FEE	OW	PA
OLSEN 1-27A4	27	010S	040W	4301330064	1565	FEE	OW	PA
EVANS 1-31A4	31	010S	040W	4301330067	5330	FEE	OW	PA
HAMBLIN 1-26A2	26	010S	020W	4301330083	2305	FEE	OW	PA
HARTMAN 1-31A3	31	010S	030W	4301330093	10700	FEE	OW	PA
FARNSWORTH 1-7B4	07	020S	040W	4301330097	5725	FEE	OW	PA
POWELL 1-33A3	33	010S	030W	4301330105	4526	FEE	OW	PA
LOTRIDGE GATES 1-3B3	03	020S	030W	4301330117	1625	FEE	OW	PA
REMINGTON 1-34A3	34	010S	030W	4301330139	1670	FEE	OW	PA
ANDERSON 1-28A2	28	010S	020W	4301330150	5895	FEE	OW	PA
RHOADES MOON 1-35B5	35	020S	050W	4301330155	5270	FEE	OW	PA
JOHN 1-3B2	03	020S	020W	4301330160	5765	FEE	OW	PA
SMITH 1-6C5	06	030S	050W	4301330163	5385	FEE	OW	PA
HORROCKS FEE 1-3A1	03	010S	010W	4301330171	5505	FEE	OW	PA
WARREN 1-32A4	32	010S	040W	4301330174	9139	FEE	OW	PA
JENSEN FENZEL 1-20C5	20	030S	050W	4301330177	4730	FEE	OW	PA
MYRIN RANCH 1-13B4	13	020S	040W	4301330180	4524	FEE	OW	PA
BROTHERSON 1-27B4	27	020S	040W	4301330185	1775	FEE	OW	PA
JENSEN 1-31A5	31	010S	050W	4301330186	4735	FEE	OW	PA
ROBERTSON 1-29A2	29	010S	020W	4301330189	4740	FEE	OW	PA
WINKLER 1-28A3	28	010S	030W	4301330191	5465	FEE	OW	PA
CHENEY 1-33A2	33	010S	020W	4301330202	1750	FEE	OW	PA
J LAMICQ STATE 1-6B1	06	020S	010W	4301330210	5730	FEE	OW	PA
REESE ESTATE 1-10B2	10	020S	020W	4301330215	5700	FEE	OW	PA
REEDER 1-17B5	17	020S	050W	4301330218	5460	FEE	OW	PA
ROBERTSON UTE 1-2B2	02	020S	020W	4301330225	1710	FEE	OW	PA
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA
BROTHERSON 1-22B4	22	020S	040W	4301330227	5935	FEE	OW	PA
ALLRED 1-16A3	16	010S	030W	4301330232	1780	FEE	OW	PA
BIRCH 1-35A5	35	010S	050W	4301330233	9116	FEE	OW	PA
MARQUERITE UTE 1-8B2	08	020S	020W	4301330235	9122	FEE	OW	PA
BUZZI 1-11B2	11	020S	020W	4301330248	6335	FEE	OW	PA
SHISLER 1-3B1	03	020S	010W	4301330249	5960	FEE	OW	PA
TEW 1-1B5	01	020S	050W	4301330264	5580	FEE	OW	PA
EVANS UTE 1-19B3	19	020S	030W	4301330265	1870	FEE	OW	PA
SHELL 2-27A4	27	010S	040W	4301330266	1776	FEE	WD	PA
DYE 1-29A1	29	010S	010W	4301330271	99990	FEE	OW	PA
VODA UTE 1-4C5	04	030S	050W	4301330283	4530	FEE	OW	PA
BROTHERSON 1-28A4	28	010S	040W	4301330292	9114	FEE	OW	PA
MEAGHER 1-4B2	04	020S	020W	4301330313	8402	FEE	OW	PA
NORLING 1-9B1	09	020S	010W	4301330315	1811	FEE	OW	PA
S. BROADHEAD 1-9C5	09	030S	050W	4301330316	5940	FEE	OW	PA

El Paso E7 Company, L.P. (N3065) to EP Energy E7 Company, L.P. (N3850) effective 6/1/2012

TIMOTHY 1-09A3	09	010S	030W	4301330321	10883	FEE	OW	PA
BARRETT 1-34A5	34	010S	050W	4301330323	9115	FEE	OW	PA
MEAGHER TRIBAL 1-9B2	09	020S	020W	4301330325	9121	FEE	OW	PA
PHILLIPS UTE 1-3C5	03	030S	050W	4301330333	1816	FEE	OW	PA
ELLSWORTH 1-20B4	20	020S	040W	4301330351	6375	FEE	OW	PA
LAWSON 1-28A1	28	010S	010W	4301330358	5915	FEE	OW	PA
AMES 1-23A4	23	010S	040W	4301330375	1901	FEE	OW	PA
HORROCKS 1-6A1	06	010S	010W	4301330390	5675	FEE	OW	PA
SHRINE HOSPITAL 1-10C5	10	030S	050W	4301330393	5565	FEE	OW	PA
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA
SWD POWELL 3	13	010S	020W	4301330478	10708	FEE	WD	PA
BODRERO 1-15B3	15	020S	030W	4301330565	4534	FEE	OW	PA
MOON TRIBAL 1-30C4	30	030S	040W	4301330576	2360	FEE	OW	PA
DUNCAN 2-9B5	09	020S	050W	4301330719	5440	FEE	OW	PA
FISHER 1-16A4	16	010S	040W	4301330737	2410	FEE	OW	PA
URRUTY 2-34A2	34	010S	020W	4301330753	9117	FEE	OW	PA
GOODRICH 1-24A4	24	010S	040W	4301330760	2415	FEE	OW	PA
CARL SMITH 2-25A4	25	010S	040W	4301330776	9136	FEE	OW	PA
ANDERSON 1-A30B1	30	020S	010W	4301330783	9137	FEE	OW	PA
CADILLAC 3-6A1	06	010S	010W	4301330834	6316	FEE	OW	PA
MCELPRANG 2-31A1	31	010S	010W	4301330836	8439	FEE	OW	PA
REESE ESTATE 2-10B2	10	020S	020W	4301330837	2417	FEE	OW	PA
CLARK 2-9A3	09	010S	030W	4301330876	2416	FEE	OW	PA
JENKINS 3-16A3	16	010S	030W	4301330877	9790	FEE	OW	PA
CHRISTENSEN 2-26A5	26	010S	050W	4301330905	10710	FEE	OW	PA
FORD 2-36A5	36	010S	050W	4301330911	9630	FEE	OW	PA
MORTENSEN 2-32A2	32	010S	020W	4301330929	9486	FEE	OW	PA
WILKERSON 1-20Z1	20	010N	010W	4301330942	5452	FEE	OW	PA
UTE TRIBAL 2-4A3 S	04	010S	030W	4301330950	10230	FEE	OW	PA
OBERHANSLY 2-31Z1	31	010N	010W	4301330970	9262	FEE	OW	PA
MORRIS 2-7A3	07	010S	030W	4301330977	9725	FEE	OW	PA
POWELL 2-08A3	08	010S	030W	4301330979	10175	FEE	OW	PA
FISHER 2-6A3	06	010S	030W	4301330984	10110	FEE	OW	PA
JACOBSEN 2-12A4	12	010S	040W	4301330985	10480	FEE	OW	PA
CHENEY 2-33A2	33	010S	020W	4301331042	10313	FEE	OW	PA
HANSON TRUST 2-29A3	29	010S	030W	4301331043	5306	FEE	OW	PA
BURTON 2-15B5	15	020S	050W	4301331044	10205	FEE	OW	PA
EVANS-UTE 2-17B3	17	020S	030W	4301331056	10210	FEE	OW	PA
ELLSWORTH 2-20B4	20	020S	040W	4301331090	5336	FEE	OW	PA
REMINGTON 2-34A3	34	010S	030W	4301331091	1902	FEE	OW	PA
WINKLER 2-28A3	28	010S	030W	4301331109	4519	FEE	OW	PA
TEW 2-10B5	10	020S	050W	4301331125	1751	FEE	OW	PA
LINDSAY 2-33A4	33	010S	040W	4301331141	1756	FEE	OW	PA
FIELDSTED 2-28A4	28	010S	040W	4301331293	10665	FEE	OW	PA
POWELL 4-13A2	13	010S	020W	4301331336	11177	FEE	GW	PA
DUMP 2-20A3	20	010S	030W	4301331505	11691	FEE	OW	PA
SMITH 2X-23C7	23	030S	070W	4301331634	12382	FEE	D	PA
MORTENSEN 3-32A2	32	010S	020W	4301331872	11928	FEE	OW	PA
TODD USA ST 1-2B1	02	020S	010W	4304730167	99998	FEE	OW	PA
STATE 1-7B1E	07	020S	010E	4304730180	5555	FEE	OW	PA
BACON 1-10B1E	10	020S	010E	4304730881	5550	FEE	OW	PA
PARIETTE DRAW 28-44	28	040S	010E	4304731408	4537	FEE	OW	PA
REYNOLDS 2-7B1E	07	020S	010E	4304731840	4960	FEE	OW	PA
STATE 2-35A2	35	010S	020W	4301330156	4715	ML-22874	OW	PA
UTAH STATE L B 1-11B1	11	020S	010W	4304730171	5530	ML-23655	OW	PA
STATE 1-8A3	08	010S	030W	4301330286	5655	ML-24316	OW	PA
UTAH FEDERAL 1-24B1	24	020S	010W	4304730220	590	ML-26079	OW	PA
CEDAR RIM 15	34	030S	060W	4301330383	6395	14-20-462-1329	OW	S

El Paso E8 Company, L.P. (N3065) to EP Energy E8 Company, L.P. (N3850) effective 6/1/2012

UTE TRIBAL 2-24C7	24	030S	070W	4301331028	10240	14-20-H62-1135	OW	S	
CEDAR RIM 12	28	030S	060W	4301330344	6370	14-20-H62-1323	OW	S	
CEDAR RIM 16	33	030S	060W	4301330363	6390	14-20-H62-1328	OW	S	
SPRING HOLLOW 2-34Z3	34	010N	030W	4301330234	5255	14-20-H62-1480	OW	S	
EVANS UTE 1-17B3	17	020S	030W	4301330274	5335	14-20-H62-1733	OW	S	
UTE JENKS 2-1-B4 G	01	020S	040W	4301331197	10844	14-20-H62-1782	OW	S	
UTE 3-12B3	12	020S	030W	4301331379	11490	14-20-H62-1810	OW	S	
UTE TRIBAL 9-4B1	04	020S	010W	4301330194	5715	14-20-H62-1969	OW	S	
UTE TRIBAL 2-21B6	21	020S	060W	4301331424	11615	14-20-H62-2489	OW	S	
UTE 1-33B6	33	020S	060W	4301330441	1230	14-20-H62-2493	OW	S	
UTE 2-22B5	22	020S	050W	4301331122	10453	14-20-H62-2509	OW	S	
UTE 1-18B1E	18	020S	010E	4304730969	9135	14-20-H62-2864	OW	S	
LAUREN UTE 1-23A3	23	010S	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	020S	060W	4301331434	11624	14-20-H62-4622	OW	S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	020S	060W	4301331449	11660	14-20-H62-4631	OW	S	
CEDAR RIM 10-15C6	15	030S	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24	030S	060W	4301330298	4533	14-20-H62-4866	OW	S	
UTE TRIBAL FEDERAL 1-30C5	30	030S	050W	4301330475	665	14-20-H62-4876	OW	S	
SMB 1-10A2	10	010S	020W	4301330012	5865	FEE	OW	S	
KENDALL 1-12A2	12	010S	020W	4301330013	5875	FEE	OW	S	
CEDAR RIM 2	20	030S	060W	4301330019	6315	FEE	OW	S	
URRUTY 2-9A2	09	010S	020W	4301330046	5855	FEE	OW	S	
BROTHERSON 1-14B4	14	020S	040W	4301330051	1535	FEE	OW	S	
RUST 1-4B3	04	020S	030W	4301330063	1575	FEE	OW	S	
MONSEN 1-21A3	21	010S	030W	4301330082	1590	FEE	OW	S	
BROTHERSON 1-10B4	10	020S	040W	4301330110	1614	FEE	OW	S	
FARNSWORTH 1-12B5	12	020S	050W	4301330124	1645	FEE	OW	S	
ELLSWORTH 1-16B4	16	020S	040W	4301330192	1735	FEE	OW	S	
MARSHALL 1-20A3	20	010S	030W	4301330193	9340	FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31	020S	040W	4301330198	4745	FEE	OW	S	
ROPER 1-14B3	14	020S	030W	4301330217	1850	FEE	OW	S	
BROTHERSON 1-24B4	24	020S	040W	4301330229	1865	FEE	OW	S	
BROTHERSON 1-33A4	33	010S	040W	4301330272	1680	FEE	OW	S	
BROTHERSON 1-23B4	23	020S	040W	4301330483	8423	FEE	OW	S	
SMITH ALBERT 2-8C5	08	030S	050W	4301330543	5495	FEE	OW	S	
VODA JOSEPHINE 2-19C5	19	030S	050W	4301330553	5650	FEE	OW	S	
HANSEN 1-16B3	16	020S	030W	4301330617	9124	FEE	OW	S	
BROTHERSON 1-25B4	25	020S	040W	4301330668	9126	FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	020S	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15	010S	040W	4301330817	9345	FEE	OW	S	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	FEE	OW	S	
FIELDSTED 2-27A4	27	010S	040W	4301330915	9632	FEE	OW	S	
HANSKUTT 2-23B5	23	020S	050W	4301330917	9600	FEE	OW	S	
TIMOTHY 3-18A3	18	010S	030W	4301330940	9633	FEE	OW	S	
BROTHERSON 2-3B4	03	020S	040W	4301331008	10165	FEE	OW	S	
BROTHERSON 2-22B4	22	020S	040W	4301331086	1782	FEE	OW	S	
MILES 2-35A4	35	010S	040W	4301331087	1966	FEE	OW	S	
ELLSWORTH 2-17B4	17	020S	040W	4301331089	1696	FEE	OW	S	
RUST 2-36A4	36	010S	040W	4301331092	1577	FEE	OW	S	
EVANS 2-19B3	19	020S	030W	4301331113	1777	FEE	OW	S	
FARNSWORTH 2-12B5	12	020S	050W	4301331115	1646	FEE	OW	S	
CHRISTENSEN 3-4B4	04	020S	040W	4301331142	10481	FEE	OW	S	
ROBERTSON 2-29A2	29	010S	020W	4301331150	10679	FEE	OW	S	
CEDAR RIM 2A	20	030S	060W	4301331172	10671	FEE	OW	S	

El Paso E9 Company, L.P. (N3065) to EP Energy E9 Company, L.P. (N3850) effective 6/1/2012

HARTMAN 2-31A3	31	010S	030W	4301331243	11026	FEE	OW	S	
GOODRICH 2-2B3	02	020S	030W	4301331246	11037	FEE	OW	S	
JESSEN 2-21A4	21	010S	040W	4301331256	11061	FEE	OW	S	
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S	
MYRIN RANCH 2-18B3	18	020S	030W	4301331297	11475	FEE	OW	S	
BROTHERSON 2-2B5	02	020S	050W	4301331302	11342	FEE	OW	S	
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S	
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S	
IORG 2-10B3	10	020S	030W	4301331388	11482	FEE	OW	S	
MONSEN 3-27A3	27	010S	030W	4301331401	11686	FEE	OW	S	
HORROCKS 2-5B1E	05	020S	010E	4304732409	11481	FEE	OW	S	
LARSEN 1-25A1	25	010S	010W	4304730552	815	FEE	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	FEE	OW	TA	