

FILE NOTATIONS

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

Checked by Chief *Pwb*  
Approval Letter *9-15-71*  
Disapproval Letter .....

COMPLETION DATA:

Date Well Completed .....  
W..... WW..... TA.....  
GW..... OS..... PA.....

Location Inspected .....  
Bond released  
State or Fee Land .....

LOGS FILED

Driller's Log.....  
Electric Logs (No.) .....  
E..... I..... Dual I Lat..... GR-N..... Micro.....  
VHC Sonic GR..... Lat..... MI-L..... Sonic.....  
CCLog..... CCLog..... Others.....

*Confidential - Released 6-6-72 SK*

AMERADA HESS CORPORATION

PMB  
P. O. BOX 2040  
TULSA, OKLAHOMA 74102  
918-584-5554

September 13, 1971

Mr. Jerry W. Long  
District Engineer  
U. S. Geological Survey  
P. O. Box 1809  
Durango, Colorado 81301

Dear Mr. Long:

We submit herewith, in quadruplicate, Application for Permit to Drill the Amerada Hess Federal-Connelly No. 1.

By carbon copy of this letter we are furnishing two executed copies of this Application to the State of Utah, Oil and Gas Conservation Division.

For your information, Amerada Hess Corporation does have a \$150,000 nation-wide bond on file in the Eastern States Land Office at Silver Springs, Maryland under Serial No. BLM 066100.

Very truly yours,



Anton Pojman  
Landman

AP:dd  
Encl.

cc: State of Utah  
Department of Natural Resources Division of  
Oil and Gas Conservation-W/Encl.

43-037-30064

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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  
 Amerada Hess Corporation

3. ADDRESS OF OPERATOR  
 P. O. Box 2040, Tulsa, Oklahoma 74102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 1910' S of the NL & 1910' W of the EL of Sec. 13-36S-25E, SLM  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 14 Miles SE of Eastland Township

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1910'  
 16. NO. OF ACRES IN LEASE 2560  
 17. NO. OF ACRES ASSIGNED TO THIS WELL 2560

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None  
 19. PROPOSED DEPTH 6800'  
 20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6097' GR  
 22. APPROX. DATE WORK WILL START\* September 25, 1971

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	500'	900 sacks
7 7/8"	5 1/2"	17#	6800'	1250 sacks

Propose to drill a 6800' Desert Creek test. Will test all valid shows encountered and will run at least one basic resistivity survey from bottom of the surface casing to total depth of the hole. If production is indicated a 5 1/2" production casing string will be run. If non-productive, will plug and abandon in accordance with applicable regulations.

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 Frederick J. Bellamy TITLE Tulsa Regional Manager DATE September 13, 1971

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

PHB

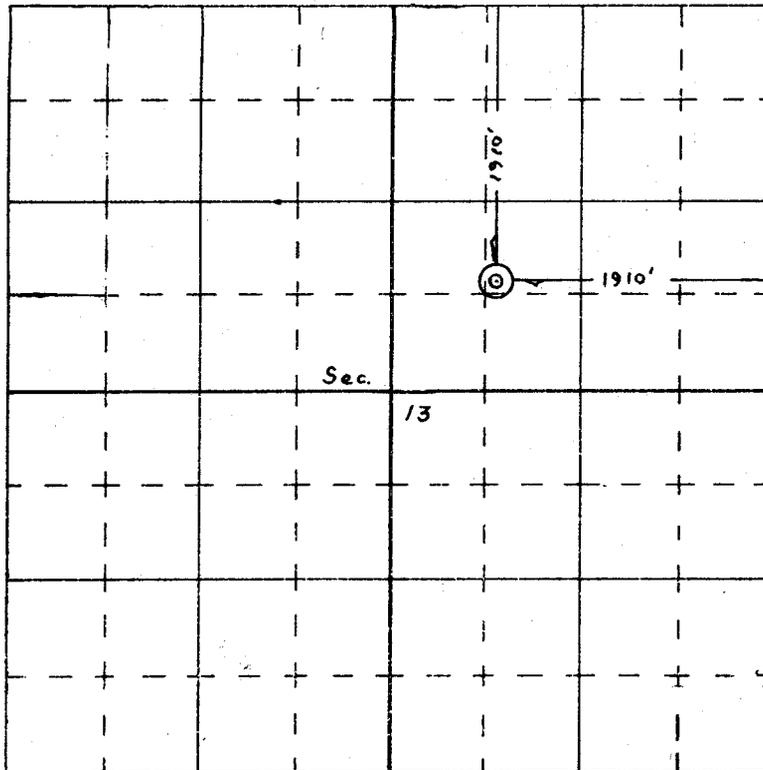
COMPANY Amerada-Hess Corporation

LEASE Federal-Connelly WELL NO. 1

SEC. 13 T. 36s R. 25e  
San Juan County, Utah

LOCATION 1910'FNL 1910'FEL

ELEVATION 6097 Ungrd. Gr.



SCALE—4 INCHES EQUALS 1 MILE

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

SEAL:

*Just B. Kern*  
Registered Land Surveyor, #3950

SURVEYED

September 9, 1971

FARMINGTON, N. M.

WEXPRO COMPANY  
 AMERADA HESS FEDERAL CONNELLY WELL NO. 1  
 LEASE NO.: U-40052  
 1910' FNL, 1910' FEL OF SECTION 13, T36S., R.25E.  
 SAN JUAN COUNTY, UTAH  
 10-POINT PLAN

1. The surface formation is Morrison.
2. Estimated tops of important geological markers are:

Morrison	Surface	
Entrada	610'	
Carmel	704'	
Navajo	792'	
Kayenta	1142'	
Wingate	1262'	
Chinle	1636'	
Cutler	2414'	
Upper Hermosa	4226'	
Upper Ismay	5516'	
Lower Ismay	5662'	
Upper Desert Creek	5780'	
Lower Desert Creek	5832'	
Akah	5876'	
Total Depth:	5832'	if used for salt water disposal

Objective Reservoir: Upper Ismay - 5516'

3. Estimated depths of anticipated water, oil, gas or other mineral bearing formations expected:
  - A. No water flows expected.
  - B. Oil or gas expected in objective reservoir (Upper Ismay 5516')
  - C. No mineral bearing formations expected.
4. Casing Program:

Existing - 13-3/8" O.D., 48# landed at 108 feet KBM  
 8-5/8" O.D., 24# landed at 1621 feet KBM, cut off and recovered  
 from 886 feet KBM

<u>Proposed</u>	<u>Footage</u>	<u>Size</u>	<u>Grade</u>	<u>Weight</u>	<u>Condition</u>	<u>Thread</u>
Surface	920'	8-5/8"	K-55	24#	NEW	8rd ST&C
Production	5832'	5-1/2"	K-55	17#	NEW	8rd LT&C

Cement Program: Production - 450 sacks of salt saturated 50-50 Pozmix "A" cement. Bring cement top behind the 5-1/2" O.D. casing up to approximately 4500' KBM.

Wexpro Company  
Amerada Hess Federal Connelly Well No. 1  
Lease No.: U-40052  
1910' FNL, 1910' FEL of S.13, T.36S., R.25E.  
San Juan County, Utah  
10-Point Plan

Page Two

5. Operators minimum specifications for pressure control equipment requires a 12-inch, 3,000 psi double gate blowout preventer with 3-1/2" O.D. pipe rams in the top gate and blind rams in the bottom and a 10-inch, 3,000 psi bag-type blowout preventer from the surface to the total depth. See attached diagrams. Blowout preventer will be tested by rig equipment after each string of casing is run. During drill stem testing or when a completion rig is completing a well, some flaring will be necessary.
6. Reconditioned mud from the hole will be used as a drilling fluid to clean out the hole. A mud weight of 12 ppg will be maintained during the cleanout of the hole to a depth of approximately 5914'. Cement casing will be displaced with water.
7. Auxiliary equipment will consist of: (1) A manually operated kelly cock; (2) No float at bit; (3) Mud will be monitored visually; and, (4) Full opening Shafer floor valve manually operated.
8. Perforate the following interval in the Upper Ismay with two holes per foot - 5562' - 5568' KBM.

Measurements are taken from the Dresser Atlas Sidewall Neutron log dated 10/22/71. Pressures will be recorded after perforating.

Hookwall test will be set at approximately 5500' KBM.

Perforate the following interval in the Lower Desert Creek formation with two holes per foot - 5838' - 5856' KBM.

The Lower Desert Creek formation will be fracture acidized as follows:

1000 gallons 28% HCL  
2000 gallons WF-30 with 1 ppg fine salt  
2000 gallons 28% HCL  
2000 gallons WF-30 with 1 ppg fine salt  
2000 gallons 28% HCL  
2000 gallons WF-30 with 1 ppg fine salt  
2000 gallons 28% HCL  
500 gallons WF-30 with 2 ppg J-66 rock salt  
2000 gallons WF-30 with 1 ppg fine salt  
2000 gallons 28% HCL  
2000 gallons WF-30  
2000 gallons 28% HCL  
2000 gallons WF-30  
2000 gallons 28% HCL  
3500 gallons WF-10 - flush and overflush

Wexpro Company  
Amerada Hess Federal Connelly Well No. 1  
Lease No.: U-40052  
1910' FNL, 1910' FEL of S.13, T.36S., R.25E.  
San Juan County, Utah  
10-Point Plan

Page Three

Desired injection rate - 6-7 barrels per minute.

Do not exceed 4500 psi surface treating pressure.

Note: Internal yield pressure for 3-1/2-inch O.D., 9.2 pound, J-55 Seal-Lock thread tubing is 6980 psi. Internal yield pressure for 5-1/2-inch O.D., 17-pound, K-55, LT&C Casing is 5320 psi.

Swab back the acid after the job is completed.

9. No abnormal temperatures, pressures or Hydrogen Sulfide is anticipated.
10. The anticipated starting date is upon approval from the State of Utah and the U.S.G.S.. Duration of drilling will be approximately 30 days, with 10 days completion.

CHECKLIST 3000-psi EQUIPMENT

No.	Item	QTY	IN	OUT	DATE	BY
1	Drilling Rig					
2	Flowline					
3	Flowline					
4	Flowline					
5	Flowline					
6	Flowline					
7	Flowline					
8	Flowline					
9	Flowline					
10	Flowline					
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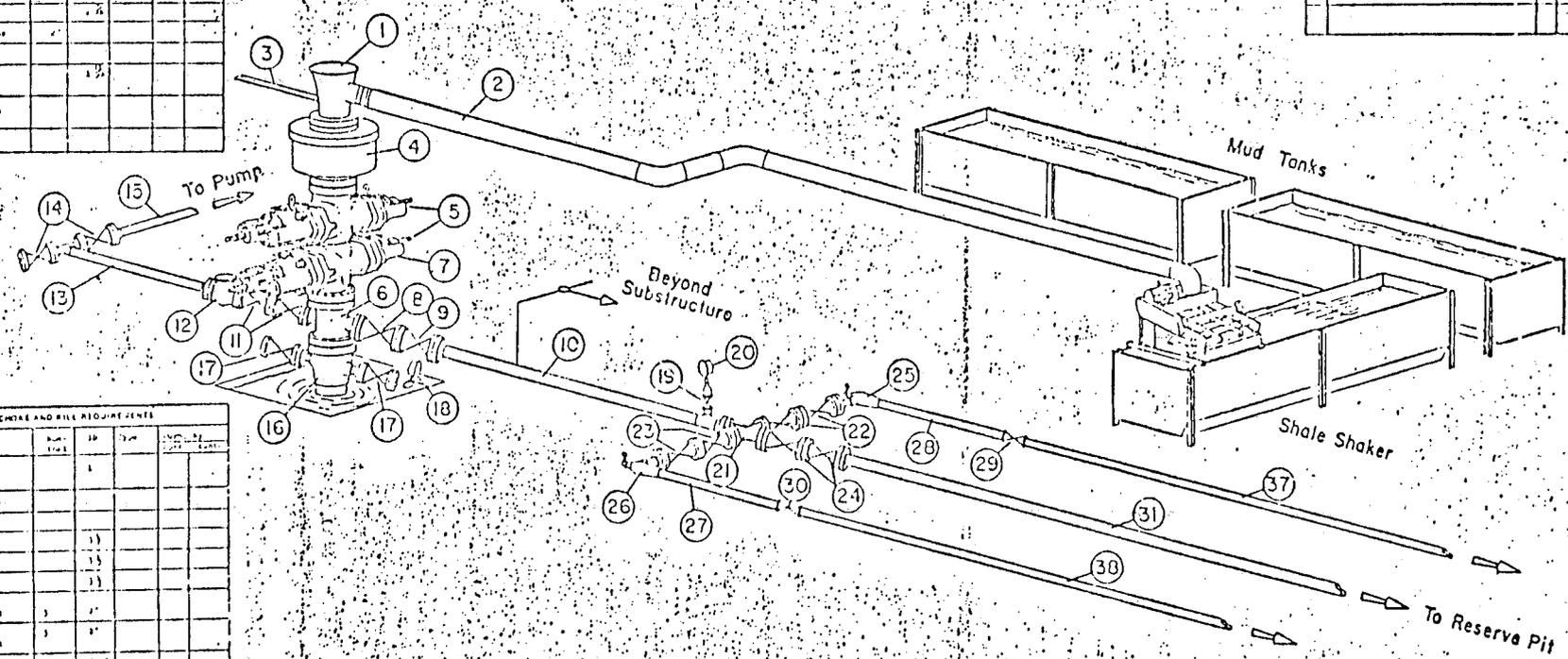
# MOUNTAIN FUEL SUPPLY COMPANY

## 3000 psi BLOWOUT PREVENTION EQUIPMENT

SPECIAL CHASE AND BILL REQUIREMENTS			

SPECIAL STACK REQUIREMENTS			



STANDARD CHASE AND BILL REQUIREMENTS					
No.	Item	QTY	IN	OUT	DATE
1	Flowline				
2	Flowline				
3	Flowline				
4	Flowline				
5	Flowline				
6	Flowline				
7	Flowline				
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DEVELOPMENT PLAN FOR U.S.G.S. APPROVAL OF SURFACE USE  
WEXPRO DRILLING WELLS

Well Name: Amerada Hess Federal-Connelly Well No. 1

Field or Area: Bug Area

1. Existing Roads:

A) Proposed well site as staked: Refer to well location plat no. M-15351, well pad layout map no. M-15351 and area map no. M-13907 for location of well, access road, cuts and fills, directional reference stakes, etc.

B) Route and distance from nearest town or locatable reference point to where well access route leaves main road: Refer to area map no. M-13907  
From the well to Dove Creek, Colorado is 16 miles.

C) Access road to location: Refer to well location plat no. M-15351 and area map no. M-13907 for access road. (Color coded red for existing road and blue for road to be constructed.

D) If exploratory well, all existing roads within a 3-mile radius of well site:  
Not an exploratory well.

E) If development well, all existing roads within a 1-mile radius:  
Refer to area map M-13907 for roads within 1 mile radius.

F) Plans for improvement and/or maintenance of existing roads:  
No plans to improve existing roads. Roads to be maintained as needed by Mountain Fuel Supply Company.

2. Planned Access Road:

A) Width - 16' wide from shoulder to shoulder.

B) Maximum grade - The maximum grade on the road is 8 percent.

C) Turnouts - No turnouts will be constructed.

D) Drainage design - A drainage ditch on the uphill side of the road will be constructed. It will be a minimum of one foot below the surface of the road. No water diversion ditches are anticipated.

E) Location and size of culverts and description of major cuts and fills -

1) No culverts required.

2) No major cuts or fills required.

F) Surfacing material - None anticipated.

G) Necessary gates, cattle guards or fence cuts - None required.

H) New or reconstructed roads - Road to well pad now exists.

3. Location of Existing Wells - Refer to area map no. M-13907

A) Water wells - None within a one mile radius.

- B) Abandoned wells - None within a one mile area.
  - C) Temporarily abandoned wells - None within one mile area.
  - D) Disposal wells - None within the area.
  - E) Drilling wells - May No. 2 Bug being drilled in the NE 1/4 SW 1/4 of Section 7, T.36S., R.26E., San Juan County, Utah.
  - F) Producing wells - Bug Well No. 1 located in the NE 1/4 SE 1/4 of Section 12, T.36S., R.25E., San Juan County, Utah.
  - G) Shut-in wells - None within a one mile radius.
  - H) Injection wells - None within the area.
  - I) Monitoring or observation wells for other resources - None within the area.
4. Location of Existing and/or Proposed Facilities - Refer to area map no. M- 13907
- A) 1) Tank Batteries - None within a one mile radius.
  - 2) Production Facilities - None within a one mile radius.
  - 3) Oil Gathering Lines - None within a one mile radius.
  - 4) Gas Gathering Lines - None within a one mile radius.
  - 5) Injection Lines - None within the area.
  - 6) Disposal Lines - None within the area.
- B) 1) Proposed location and attendant lines by flagging if off the well pad - Lateral gathering system for a pipeline is now in the planning stages. For this well, a lateral would most likely follow the access road to the northeast to tie into the proposed trunk line.
  - 2) Dimensions of facilities - Refer to Drawing M-12205
  - 3) Construction methods and materials - The on-location pipelines will be buried approximately 30". The dehydration unit will be a pre-fab unit and will be skid mounted & installed on a gravel base. The tank will have a fire dyke installed around it. The pit will be fenced as described below. Also, the pit will be approximately 7' deep.
  - 4) Protective measures and devices to protect livestock and wildlife - All sump pits will be fenced. The fence shall be woven wire at least 48-inches high and within 4-inches of the ground. If oil is in the sump pit, the pit will be overhead flagged to keep birds out.

- C) Plans for rehabilitation of disturbed area no longer needed for operations after construction is completed - Areas of none use will be restored and reseeded as recommended by the B.L.M.
5. Location and Type of Water Supply - Refer to map M-13907
- A) Location of Water - Section 5, T.36S., R.26E., Roy Gilbreth water pond.
- B) Method of Transporting Water - To be hauled by tank truck over existing access roads.
- C) Water Well to be Drilled on Lease - None anticipated.
6. Source of Construction Material - None anticipated.
- A) Information - None.
- B) Identify if from Federal or Indian land - None.
- C) Where materials are to be obtained and used - None.
- D) Access roads crossing Federal or Indian lands - None.
7. Method for Handling Waste Disposal -
- A-D) Cuttings and drilling fluids will be placed in the mud pit. Any produced liquids will be placed in test tanks and hauled out by tank trucks. A chemical toilet will be installed on the well pad. The mud pit shall be constructed with at least 1/2 of its holding capacity below ground level. It shall be fenced as described in Section 10-A.
- E) Garbage and other waste material will be placed in the burn pit and covered over with wire mesh to contain the garbage.
- F) After drilling operations have been completed, the location will be cleared of litter, and the trash will be burned in the burn pit. The burn pit will be covered over. The mud pit liquids will be allowed to evaporate. Any fill material on the mud pit will be compacted with heavy equipment.
8. Ancillary Facilities - No camps or airstrips exist now, and Wexpro Company has no plans to build them.
9. Well Site Layout - Refer to drawing no. M-15351
- 1) Location now existing; mud pit will be re-excavated. No new disturbed area for the well site will be encountered in the drilling of the well.
- 2, 3) Refer to the location plat for location of mud tanks, reserve pit, burn pit, pipe racks, living facilities, soil material stockpile, rig orientation, parking areas and access roads.
- 4) The mud pit is to be unlined.
10. Plans for Restoration of Surface -
- A) After drilling operations, the well site will be cleared and cleaned and the burn pit filled in. Should the well be a dry hole, the surface will be restored to the extent that it will blend in with the landscape. Prior to the onset of drilling, the mud pit shall be fenced on three sides. Immediately upon completion of drilling, the fourth side of the pit will be fenced. The fence will be maintained until restoration. Any topsoil salvaged from the existing mudpit will be utilized during restoration phase. Since top soil was not salvaged during the original restoration of well location, re-entry of well pad will be difficult to restore to natural soil conditions.
- B) Revegetation and rehabilitation of the location and access road will be done to comply with Bureau of Land Management recommendations.
- C) Prior to rig release, pits will be fenced and so maintained until clean up. The trash pit will be dug so when filled, the depth will be at least three-feet below the finished contour of the location.

D) If oil is in the mud pit, overhead flagging will be installed to keep birds out.

E) Clean up will begin within two months after drilling operations have been completed and the land will be restored at this time.

11. Other Information -

A) The location lies on a bench below Cedar Point and between Monument and Coal Bed Canyons. The soil is sandy with sandstone outcrops. The vegetation is Juniper trees and sagebrush and grasses.

B) The surface at the well site is U. S. Government. A portion of the access road crosses M. C. Turner land.

C) No major source of water exists in the area. Joseph Gilbreth's ranch is located approximately 1 mile northeast. Several archaeological sites are located throughout the area. No historical or cultural sites exist to my knowledge.

12. Lessee's or Operator's Representative -

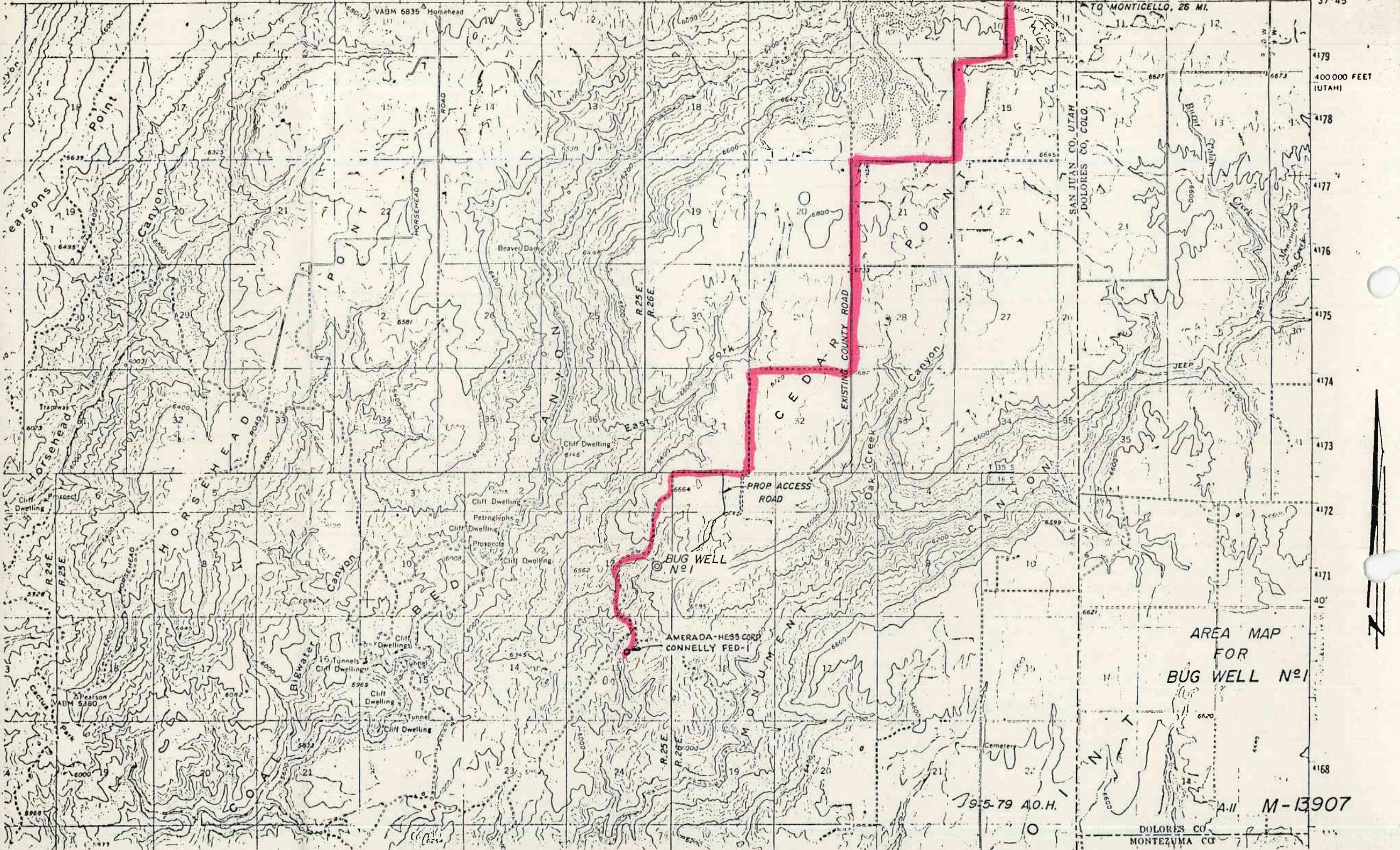
A. J. Maser, Drilling Superintendent, P. O. Box 1129, Rock Springs, Wyoming 82901, Telephone No. 307-362-5611.

13. Certification -

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Wexpro Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date 5/30/80

Name *Alex Maser for*  
Alex Maser  
Title Drilling Superintendent



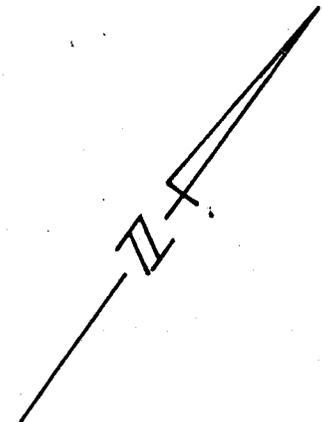
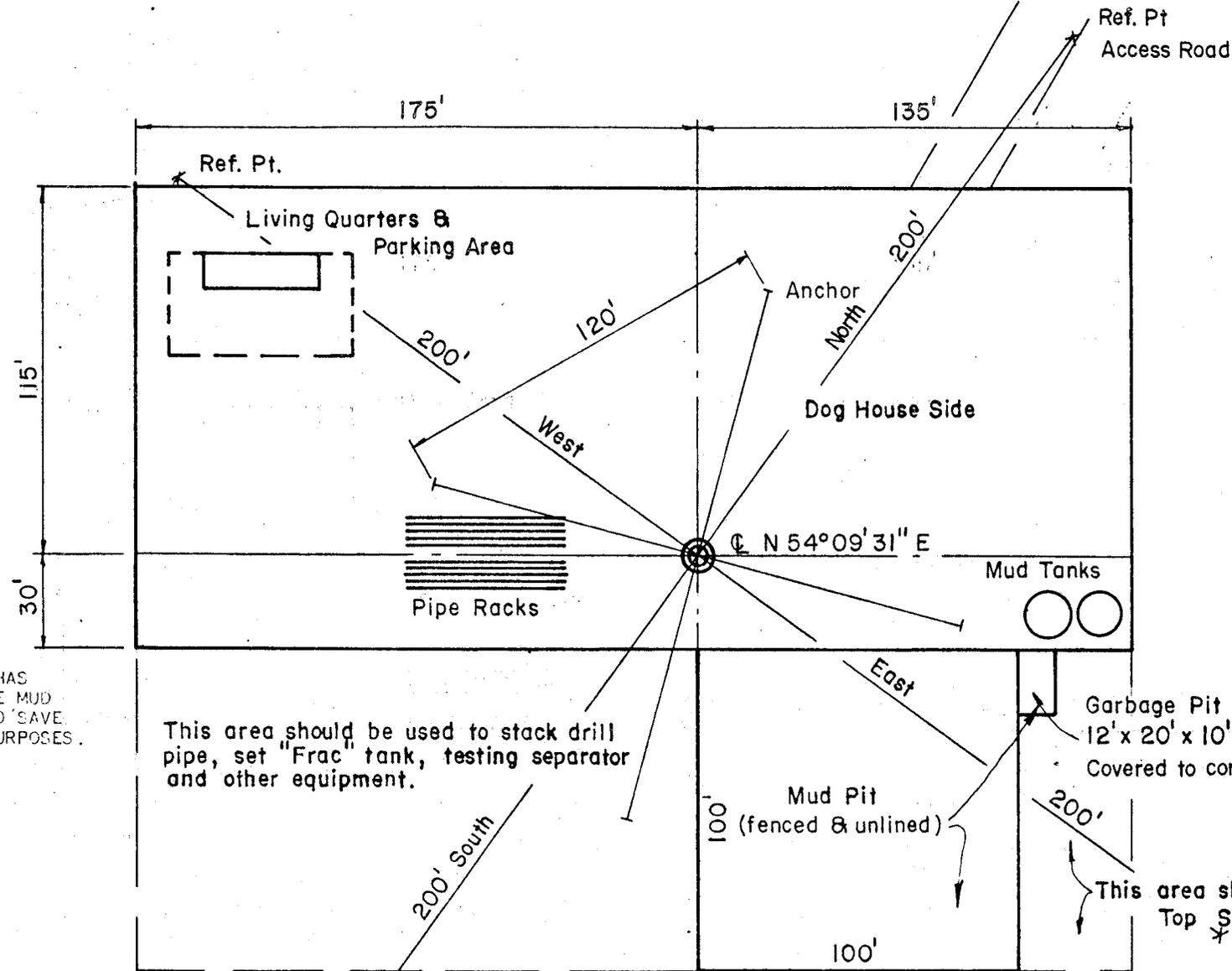
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AREA MAP  
FOR  
BUG WELL No. 1

1959 A.O.H.

A-II M-13907

DOLORES CO  
MONTEZUMA CO



THE TOPSOIL FROM THE LOCATION HAS APPARENTLY BEEN PLACED OVER THE MUD PIT. AN ATTEMPT WILL BE MADE TO SAVE THIS SOIL FOR REHABILITATION PURPOSES.

This area should be used to stack drill pipe, set "Frac" tank, testing separator and other equipment.

Garbage Pit  
12' x 20' x 10' Deep  
Covered to contain Garbage.

This area should be used for Pit Spoil and Top Soil Stockpile  
Ref. Pt.

Area for location is 1.74 acres

Ref. Pt.

ENLARGED SITE PLAN

AMERADA FEDERAL CONNELLY WELL N<sup>o</sup> 1

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
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b. TYPE OF WELL  
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2. NAME OF OPERATOR  
**Amerada Hess Corporation**

3. ADDRESS OF OPERATOR  
**P. O. Box 2040, Tulsa, Oklahoma 74102**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
**1910' S of the NL & 1910' W of the EL of Sec. 13-36S-25E, SLM**  
 At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.  
**Federal Lease No. U-4412**

6. INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Federal Connolly**

9. WELL NO.  
**No. 1**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T., R., M. OR BLM. AND SURVEY OR AREA  
**Sec. 13-36S-25E, SLM**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**Utah**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**14 Miles SE of Eastland Township**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
**1910'**

16. NO. OF ACRES IN LEASE  
**2560**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**2560**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
**None**

19. PROPOSED DEPTH  
**6800'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**6097' GR**

22. APPROX. DATE WORK WILL START\*  
**September 25, 1971**

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SIGNED Fredrick P. Bellay TITLE Tulsa Regional Manager DATE September 13, 1971

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY :

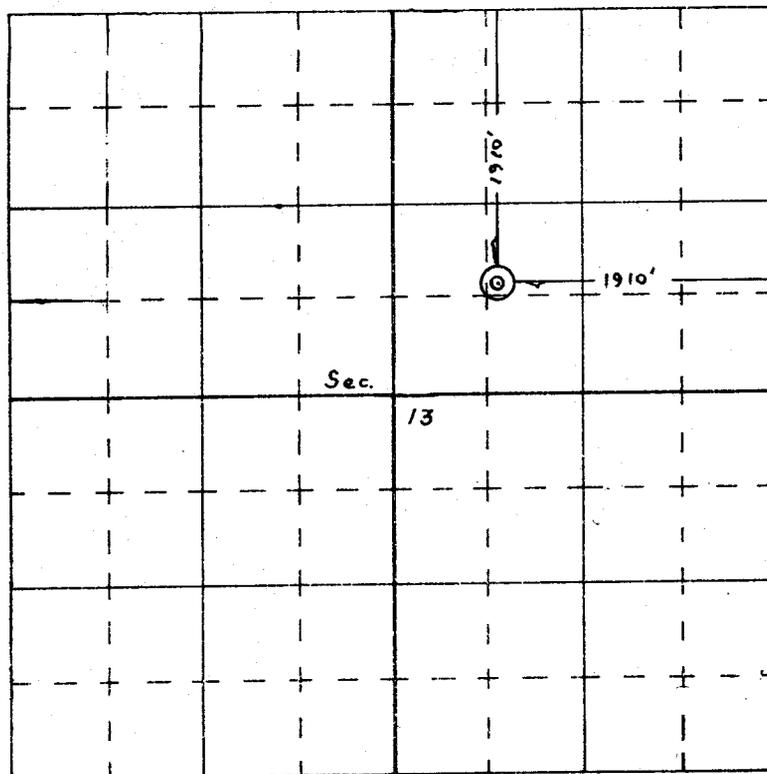
COMPANY Amerada-Hess Corporation

LEASE Federal-Connelly WELL NO. 1

SEC. 13 T. 36s R. 25e  
San Juan County, Utah

LOCATION 1910'FNL 1910'FEL

ELEVATION 6097 Ungrd. Gr.



SCALE—4 INCHES EQUALS 1 MILE

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SEAL:

John B. Kern  
Registered Land Surveyor. \*3950

SURVEYED September 9 1971

September 15, 1971

Amerada Hess Corporation  
Box 2040  
Tulsa, Oklahoma 74102

Re: Well No. Federal Connelly #1  
Sec. 13, T. 36 S, R. 25 E,  
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted. However, this approval is conditional upon notifying this office as to the type of blowout prevention equipment to be installed on the well and the subsequent testing procedures.

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

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

This approval terminates within 90 days if the well has not been spudded-in within said period.

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-037-30064.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sd  
cc: U.S. Geological Survey

13-265-25E

10/2-171

PMB

9 acres Negwood - Amerola Hess  
small gas - DST #1 - Salt Water  
only.

Entrada 610 - 540<sup>water</sup> flow hole drilled/mud, -13<sup>#</sup>/d.

Navy 792 8<sup>5</sup>/<sub>8</sub> net @ 16 21/150ths

Yaguta 1142 civil well @ 1000'

Wingate 1762 93' of 13<sup>3</sup>/<sub>8</sub>"

Chule 1636 15

Cutter 2414 - SS - No  $\phi$  + shals.

Herrera 4227

Upper Lomay 5516 - no  $\phi$

Lower Lomay 5662 -

Upper Desert Creek 5780

Lower " " 5832

$\phi$  - 5832 to 49 = No salt water

Ahale 5876 - shal.

Salat. 5907

T. D. 5914

(1) 5780 - 5880

(2) 5500 - 5600

(3) 4150 - 4250

(4) 1550 - 1650

(5) Cut pipe @ 1000'

(5) top of Navajo @ 792

740-750 to 830-840

(6) 10 ft / surface / maker

(7) 50 to 100' at base of 13<sup>3</sup>/<sub>8</sub>"

PMB

4

# AMERADA HESS CORPORATION

December 3, 1971

P. O. BOX 2040  
TULSA, OKLAHOMA 74102  
918-584-5554

Mr. Cleon B. Feight  
Director  
Department of Natural Resources  
Division of Oil & Gas Conservation  
1588 West North Temple  
Salt Lake City, Utah 84116

Re: Amerada Hess Corporation  
#1 Federal Connelly  
API #43-037-30064  
Federal Lease No. U-4412

Dear Mr. Feight:

Enclosed are the following reports and logs pertaining to the subject well:

1. Notice of Intent to Abandon - 3 copies
2. Subsequent Report of Abandonment - 3 copies
3. Well Completion Report - 2 copies
4. IES Log - 1 copy
5. BHC-Sonic Log - 1 copy
6. SNP Neutron Log - 1 copy

Should any further information be needed, please direct your requests to the Drilling Services Department of this Company in Tulsa. Thank you for your cooperation.

Sincerely yours,



A. P. A. Vorenkamp  
Drilling Supervisor

APAV:sky

cc w/o enclosures  
1 - R. G. Straw  
1 - Fred Ballard  
1 - Tony Pojman  
1 - File

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**GEOLOGICAL SURVEY**

SUBMIT IN TR CATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
**Federal Lease No. U-4412**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Federal- Connelly**

9. WELL NO.  
**1**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 13-T36S-R25E, SLM**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**Utah**

**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 **P & A**

2. NAME OF OPERATOR  
**AMERADA HESS CORPORATION**

3. ADDRESS OF OPERATOR  
**P. O. Box 2040, Tulsa, Oklahoma 74102**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**SW/4, NE/4 (1910' S of the NL & 1910' W of the EL) of  
Sec. 13-T36S-R25E, SLM, San Juan County, Utah.**

14. PERMIT NO.  
**API #43-037-30064**

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**6,097' GR; 6,107' RT**

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

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.)\*

**Completed P & A Operations: Total Depth 5,914'.  
Spotted cement plugs over the following intervals: 5880' - 5780' (lower Desert Creek); 5600'-5500' (upper Ismay); 4250'-4150' (upper Hermosa); 1650'-1550' (inside and outside bottom of surface casing); 840-740' (inside and outside top of surface casing); 100'-50' (inside bottom of conductor casing) and 10 sack plug in top of conductor casing with 4" x 10' dry hole marker.**

Surface casing (8-5/8") was cut at 886' and recovered.

P. & A operations completed 10/24/71.

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

SIGNED *D. P. Vorenkamp*

TITLE Drilling Supervisor

DATE December 2, 1971

(This space for Federal or State office use)

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

TITLE

DATE

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.  
Federal Lease No. U-4412

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal- Connelly

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 13-T36S-R25E, SLM

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

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 P & A

2. NAME OF OPERATOR  
AMERADA HESS CORPORATION

3. ADDRESS OF OPERATOR  
P. O. Box 2040, Tulsa, Oklahoma 74102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
SW/4, NE/4 (1910' S of the NL & 1910' W of the EL) of Sec. 13-T36S-R25E, SLM, San Juan County, Utah.

14. PERMIT NO.  
API #43-037-30064

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6,097' GR; 6,107' RT

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)

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

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.)\*

Completed P & A Operations: Total Depth 5,914'.

Spotted cement plugs over the following intervals: 5880' - 5780' (lower Desert Creek); 5600'-5500' (upper Ismay); 4250'-4150' (upper Hermosa); 1650'-1550' (inside and outside bottom of surface casing); 840-740' (inside and outside top of surface casing); 100'-50' (inside bottom of conductor casing) and 10 sack plug in top of conductor casing with 4" x 10' dry hole marker.

Surface casing (8-5/8") was cut at 886' and recovered.

P. & A operations completed 10/24/71.

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

SIGNED *D. P. Vorenkamp*

TITLE Drilling Supervisor

DATE December 2, 1971

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

**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.  
**Federal Lease No. U-4412**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Federal-Connelly**

9. WELL NO.  
**1**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 13-T36S-R25E, SLM**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**Utah**

1. OIL WELL  GAS WELL  OTHER  **P & A**

2. NAME OF OPERATOR  
**AMERADA HESS CORPORATION**

3. ADDRESS OF OPERATOR  
**P. O. Box 2040, Tulsa, Oklahoma 74102**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
**SW/4, NE/4 (1910' S of the NL & 1910' W of the EL) of Sec. 13-T36S-R25E, SLM, San Juan County, Utah.**

14. PERMIT NO.  
**API #43-037-30064**

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**6,097' GR; 6,107' RT**

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

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.)\*

Casing Record:

Size	Weight	Depth Set (MD)	Hole Size	Cement Record	Amount Pulled
13-3/8"	48.0	108'	17-1/2"	115 sacks	None
8-5/8"	24.0	1,621'	12-1/4"	150 sacks	None

Total depth - 7-7/8" open hole to 5,914' T.D. (MD), 5,918 by Elec. log.

Proposed P & A Operations:

Spot 100 ft. cement plugs over the following intervals: 5880' 5780' (lower Desert Creek); 5600'-5500' (upper Ismay); 4250'-4150' (upper Hermosa); 1650'-1550' (inside and outside bottom of surface casing); 840'-740' (inside and outside top of surface casing); 100'-50' (inside bottom of conductor casing) and 10 sack plug in top of conductor casing with 4" x 10' dry hole marker. Propose to cut and recover approximately 850' of 8-5/8" surface casing.

Oral approval to P & A given to Mr. H. E. Hegwood by Mr. Jerry W. Long on 10/23/71.

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

SIGNED *H. P. L. Vorenkamp*

TITLE Drilling Supervisor

DATE December 2, 1971

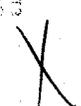
(This space for Federal or State use only)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



**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.  
**Federal Lease No. U-4412**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Federal-Connelly**

9. WELL NO.  
**1**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 13-T36S-R25E, SLM**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**Utah**

**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  P & A

2. NAME OF OPERATOR  
**AMERADA HESS CORPORATION**

3. ADDRESS OF OPERATOR  
**P. O. Box 2040, Tulsa, Oklahoma 74102**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
**SW/4, NE/4 (1910' S of the NL & 1910' W of the EL) of Sec. 13-T36S-R25E, SLM, San Juan County, Utah.**

14. PERMIT NO.  
**API #43-037-30064**

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**6,097' GR; 6,107' RT**

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)

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

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.)\*

Casing Record:

Size	Weight	Depth Set (MD)	Hole Size	Cement Record	Amount Pulled
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Total depth - 7-7/8" open hole to 5,914' T.D. (MD), 5,918 by Elec. log.

Proposed P & A Operations:

Spot 100 ft. cement plugs over the following intervals: 5880' 5780' (lower Desert Creek); 5600'-5500' (upper Ismay); 4250'-4150' (upper Hermosa); 1650'-1550' (inside and outside bottom of surface casing); 840'-740' (inside and outside top of surface casing); 100'-50' (inside bottom of conductor casing) and 10 sack plug in top of conductor casing with 4" x 10' dry hole marker. Propose to cut and recover approximately 850' of 8-5/8" surface casing.

Oral approval to P & A given to Mr. H. E. Hegwood by Mr. Jerry W. Long on 10/23/71.

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

SIGNED *H. P. G. Vorenkamp*

TITLE Drilling Supervisor

DATE December 2, 1971

(This space for Federal or State use only)

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

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other Wildcat

b. TYPE OF COMPLETION:  
NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other P & A

2. NAME OF OPERATOR  
Amerada Hess Corporation

3. ADDRESS OF OPERATOR  
P. O. Box 2040, Tulsa, Oklahoma 74102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface SW/4 NE/4 (1910' S of the NL & 1910' W of the EL) of Sec. 13-36S-25E, SLM.  
At top prod. interval reported below  
At total depth

14. PERMIT NO. API #43-037-30064 DATE ISSUED 9-15-71

15. DATE SPUDDED 9-30-71 16. DATE T.D. REACHED 10/21/71 17. DATE COMPL. (Ready to prod.) 10/24/71 P&A date 6,097'GR; 6,107'RT

20. TOTAL DEPTH, MD & TVD 5,914' MD 21. PLUG, BACK T.D., MD & TVD P. & A. 22. IF MULTIPLE COMPL., HOW MANY\* N/A

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

26. TYPE ELECTRIC AND OTHER LOGS RUN  
BHC Sonic, SNP Neutron, I-ES

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"	48.0	108'	17-1/2"	115 sacks	None
8-5/8"	24.0	1,621'	12-1/4"	150 sacks	886'

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A		

31. PERFORATION RECORD (Interval, size and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	

33.\* PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS  
Two copies each of IES, BHC Sonic & SNP logs.

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

SIGNED D. L. Vorenkamp TITLE Drilling Supervisor DATE 12/3/71

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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s) and bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	MEAS. DEPTH	TRUE VERT. DEPTH
Upper Ismay	5516	5662	Cored from 5550-5605 5556-5577 Avg. 15% porosity	610' 704'	610' 704'
Lower Desert Creek	5832	5876	Cored from 5830-5890 5832-5847 Avg. 7% porosity  DST 5817'-5890' Open 30" - good blow of air to surface immediately, decreased to fair blow in Shut-in 30" Open 90" - Gas to surface in 45" with fair blow Shut in 60" Total test time: 3-1/2" F.P. 259 - 1021 F.P. 1071 - 2310 S.I.P. 3577 - 3550 H.P. 4080 - 4080 B.H.T. 144 °F	792' 1142' 1262' 1636' 2414' 4226' 5516' 5662'	792' 1142' 1262' 1636' 2414' 4226' 5516' 5662'

(See instructions and spaces for Additional Data on Reverse Side)

AMERADA HESS CORPORATION

P. O. BOX 2040  
TULSA, OKLAHOMA 74102  
918-584-5554

December 7, 1971

Mr. Cleon B. Feight, Director  
State of Utah  
Department of Natural Resources  
Division of Oil & Gas Conservation  
1588 West North Temple  
Salt Lake City, Utah 84116

Dear Mr. Feight:

Re: Well No. 1, Federal Connelly  
Sec. 13, T36S, R25E  
San Juan County, Utah  
API #43-037-30064

Enclosed is the requested "Fresh Water Report," Form OGC-8-X in 4 copies.

Should additional information be needed, please contact Drilling Services of this company in Tulsa.

Respectfully,

By



A. P. A. Vorenkamp  
Drilling Supervisor

APAV:vp  
Enclosures - 4  
cc w/enclosure  
1 - R. G. Straw  
1 - Fred Ballard  
1 - Tony Pojman  
1 - File

# AMERADA HESS CORPORATION

December 15, 1971

P. O. BOX 2040  
TULSA, OKLAHOMA 74102  
918-584-5554

Mr. Cleon B. Feight  
Director  
Department of Natural Resources  
Division of Oil & Gas Conservation  
1588 West North Temple  
Salt Lake City, Utah 84116

Re: Amerada Hess Corporation  
#1 Federal Connelly  
API #43-037-30064  
Federal Lease No. U-4412

Dear Mr. Feight:

Under date of December 3, 1971, our Drilling Services Department furnished you final reports and logs pertaining to the subject well.

We are not certain that the copies of the logs furnished you were marked confidential and it was our intention to have them kept confidential. Therefore, we ask you to please consider this letter as a formal request that all logs Amerada Hess furnished to the State of Utah pertaining to the captioned well be marked and held "CONFIDENTIAL" for the full seven month period permitted by state regulations.

Very truly yours,

AMERADA HESS CORPORATION



Anton Pojman, Landman

AP:jh

cc: Mr. A. P. A. Vorenkamp

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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  
 WEXPRO COMPANY

3. ADDRESS OF OPERATOR  
 P.O. Box 1129, Rock Springs, WYOMING 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface 1910' FNL, 1910' FEL, S.13, T.36S., R.25E., SLB&M **SWNE**  
 At proposed prod. zone SAME

5. LEASE DESIGNATION AND SERIAL NO.  
 FEDERAL LEASE U-40052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 --

7. UNIT AGREEMENT NAME  
 --

8. FARM OR LEASE NAME  
 FEDERAL CONNELLY

9. WELL NO.  
 1

10. FIELD AND POOL, OR WILDCAT  
 WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 SECTION 13 - 36S. - 25E. SLB&M

12. COUNTY OR PARISH  
 SAN JUAN

13. STATE  
 UTAH

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 16 MILES SOUTHWEST OF DOVE CREEK, COLORADO

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 1910'

16. NO. OF ACRES IN LEASE  
 2560

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 2560

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, NONE OR APPLIED FOR, ON THIS LEASE, FT.  
 5832' *Desert Creek*

19. PROPOSED DEPTH  
 5832' *Desert Creek*

20. ROTARY OR CABLE TOOLS  
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6097' GR.

22. APPROX. DATE WORK WILL START\*  
 UPON STATE APPROVAL

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	920'	TIE BACK
7-7/8"	5-1/2"	17.0#	5832'	TO BE DETERMINED FROM CALIPER LOGS

PROPOSE TO RE-ENTER WELL TO TEST FOR POSSIBILITY OF COMMERCIAL PRODUCTION OF OIL AND/OR GAS IN THE UPPER ISMAY FORMATION. ~~IF UNSUCCESSFUL, THIS ZONE WILL BE ABANDONED AND THE WELL WILL BE COMPLETED IN THE LOWER DESERT CREEK FORMATION AS A SALT WATER DISPOSAL WELL FOR THE BUCKFIELD.~~

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING *For Re-entry only*

DATE: 6-13-80

BY: M. J. Winder

**RECEIVED**

JUN 4 1980

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 Rex W. Headd TITLE DIVISION ENGINEER DATE 6/2/80

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**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  
 WEXPRO COMPANY

3. ADDRESS OF OPERATOR  
 P.O. Box 1129, Rock Springs, WYOMING 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 1910' FNL, 1910' FEL, S.13, T.36S., R.25E., SLB&M  
 At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 16 MILES SOUTHWEST OF DOVE CREEK, COLORADO

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 1910'

16. NO. OF ACRES IN LEASE  
 2560

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 2560

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, NONE OR APPLIED FOR, ON THIS LEASE, FT.  
 5832'

19. PROPOSED DEPTH  
 5832'

20. ROTARY OR CABLE TOOLS  
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6097' GR.

22. APPROX. DATE WORK WILL START\*  
 UPON STATE APPROVAL

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	920'	TIE BACK
7-7/8"	5-1/2"	17.0#	5832'	TO BE DETERMINED FROM CALIPER LOGS

PROPOSE TO RE-ENTER WELL TO TEST FOR POSSIBILITY OF COMMERCIAL PRODUCTION OF OIL AND/OR GAS IN THE UPPER ISMAY FORMATION. IF UNSUCCESSFUL, THIS ZONE WILL BE ABANDONED AND THE WELL WILL BE COMPLETED IN THE LOWER DESERT CREEK FORMATION AS A SALT WATER DISPOSAL WELL FOR THE BUG FIELD.

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE: \_\_\_\_\_

BY: \_\_\_\_\_

**RECEIVED**

JUN 4 1980

DIVISION OF  
OIL, GAS & MINING

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 Rex W. Headd TITLE DIVISION ENGINEER DATE 6/2/80

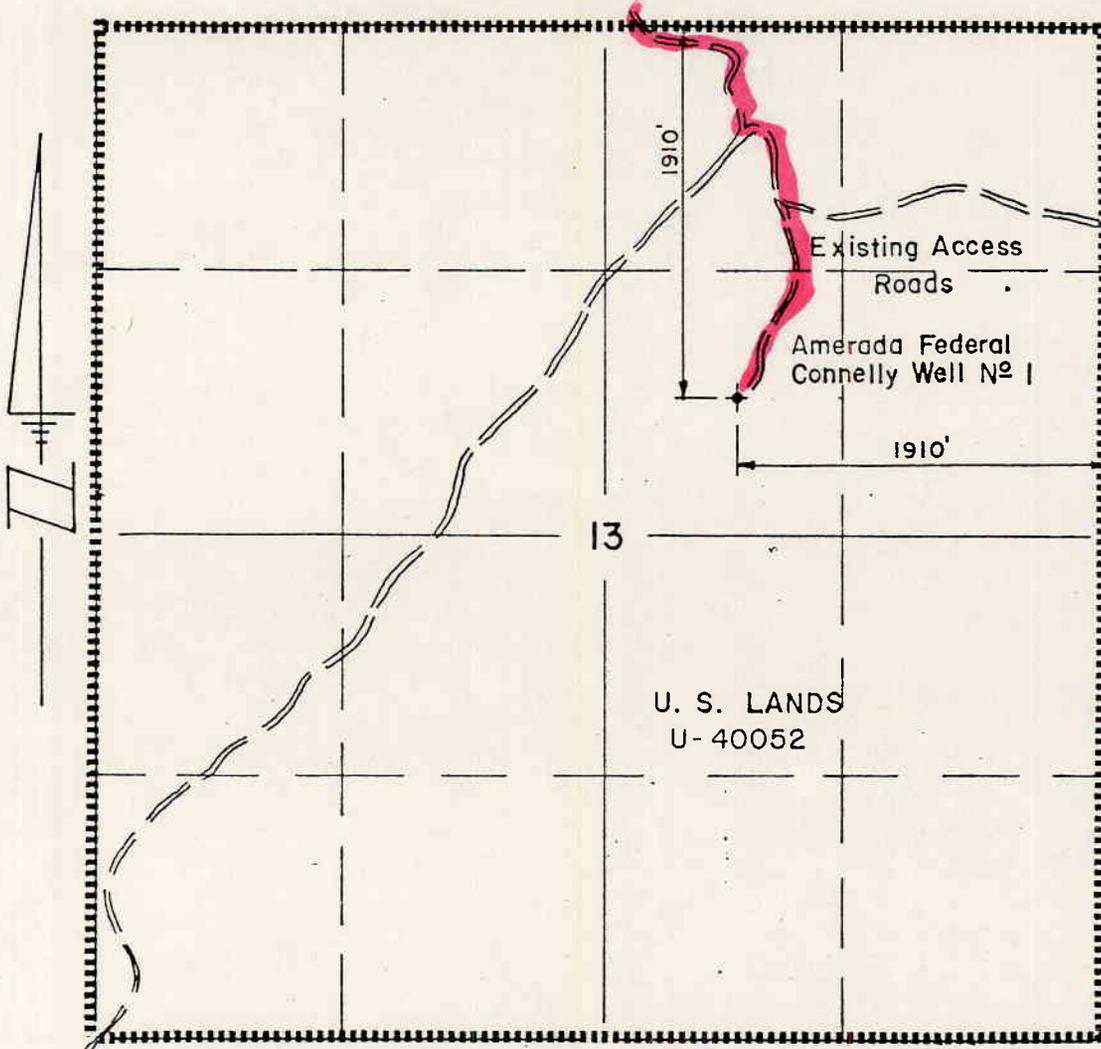
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

T.36S.,R.25E., S.L.B.&M.  
San Juan County, Utah



LOCATION PLAN  
SCALE 1"=1000

1910' to nearest Lease Line

This is to certify that the above plat was prepared from field notes of actual surveys made by Fred B. Kerr on September 9, 1971 and resurveys made by me or under my supervision and that the same are true and correct to the best of my knowledge.

LEGEND

- ⊕ Well
- ⊕ Stone Corner
- ⊕ Pipe Corner

*Daniel T. Mates*  
ENGINEER

Daniel T. Mates Utah Registration L. S. No 5035

ENGINEERING RECORD		 <b>WEXPRO COMPANY</b>
SURVEYED BY	F. B. K. 9-9-71, D. T. M. 5-20-80	
REFERENCES	G.L.O. PLAT <input checked="" type="checkbox"/> U.S.G.S. QUAD. MAP <input checked="" type="checkbox"/>	CERTIFIED WELL LOCATION AND WELL SITE PLAN <b>Amerada Federal Connelly Well No 1</b>
LOCATION DATA		
FIELD	BUG	
LOCATION: SW, NE, Sec. 13, T.36S., R.25E., S.L.B.&M. 1910' FNL, 1910' FEL		DRAWN: crw 5/28/80      SCALE: 1"=1000 CHECKED: DTM APPROVED: RWH
SAN JUAN COUNTY, UTAH		
WELL ELEVATION: 6097 "AS GRADED" ELEVATIONS FROM U.S.G.S. BENCH MARK		DRWG. NO. <b>M-15351</b> 1/4

WEXPRO COMPANY  
 AMERADA HESS FEDERAL CONNELLY WELL NO. 1  
 LEASE NO.: U-40052  
 1910' FNL, 1910' FEL OF SECTION 13, T36S., R.25E.  
 SAN JUAN COUNTY, UTAH  
 10-POINT PLAN

1. The surface formation is Morrison.
2. Estimated tops of important geological markers are:

Morrison	Surface
Entrada	610'
Carmel	704'
Navajo	792'
Kayenta	1142'
Wingate	1262'
Chinle	1636'
Cutler	2414'
Upper Hermosa	4226'
Upper Ismay	5516'
Lower Ismay	5662'
Upper Desert Creek	5780'
Lower Desert Creek	5832'
Akah	5876'
Total Depth:	5832' if used for salt water disposal

Objective Reservoir: Upper Ismay - 5516'

3. Estimated depths of anticipated water, oil, gas or other mineral bearing formations expected:
  - A. No water flows expected.
  - B. Oil or gas expected in objective reservoir (Upper Ismay 5516')
  - C. No mineral bearing formations expected.
4. Casing Program:

Existing - 13-3/8" O.D., 48# landed at 108 feet KBM  
 8-5/8" O.D., 24# landed at 1621 feet KBM, cut off and recovered  
 from 886 feet KBM

<u>Proposed</u>	<u>Footage</u>	<u>Size</u>	<u>Grade</u>	<u>Weight</u>	<u>Condition</u>	<u>Thread</u>
Surface	920'	8-5/8"	K-55	24#	NEW	8rd ST&C
Production	5832'	5-1/2"	K-55	17#	NEW	8rd LT&C

Cement Program: Production - 450 sacks of salt saturated 50-50 Pozmix "A" cement. Bring cement top behind the 5-1/2" O.D. casing up to approximately 4500' KBM.

Wexpro Company  
Amerada Hess Federal Connelly Well No. 1  
Lease No.: U-40052  
1910' FNL, 1910' FEL of S.13, T.36S., R.25E.  
San Juan County, Utah  
10-Point Plan

Page Two

5. Operators minimum specifications for pressure control equipment requires a 12-inch, 3,000 psi double gate blowout preventer with 3-1/2" O.D. pipe rams in the top gate and blind rams in the bottom and a 10-inch, 3,000 psi bag-type blowout preventer from the surface to the total depth. See attached diagrams. Blowout preventer will be tested by rig equipment after each string of casing is run. During drill stem testing or when a completion rig is completing a well, some flaring will be necessary.
6. Reconditioned mud from the hole will be used as a drilling fluid to clean out the hole. A mud weight of 12 ppg will be maintained during the cleanout of the hole to a depth of approximately 5914'. Cement casing will be displaced with water.
7. Auxiliary equipment will consist of: (1) A manually operated kelly cock; (2) No float at bit; (3) Mud will be monitored visually; and, (4) Full opening Shafer floor valve manually operated.
8. Perforate the following interval in the Upper Ismay with two holes per foot - 5562' - 5568' KBM.

Measurements are taken from the Dresser Atlas Sidewall Neutron log dated 10/22/71. Pressures will be recorded after perforating.

Hookwall test will be set at approximately 5500' KBM.

Perforate the following interval in the Lower Desert Creek formation with two holes per foot - 5838' - 5856' KBM.

The Lower Desert Creek formation will be fracture acidized as follows:

1000 gallons 28% HCL  
2000 gallons WF-30 with 1 ppg fine salt  
2000 gallons 28% HCL  
2000 gallons WF-30 with 1 ppg fine salt  
2000 gallons 28% HCL  
2000 gallons WF-30 with 1 ppg fine salt  
2000 gallons 28% HCL  
500 gallons WF-30 with 2 ppg J-66 rock salt  
2000 gallons WF-30 with 1 ppg fine salt  
2000 gallons 28% HCL  
2000 gallons WF-30  
2000 gallons 28% HCL  
2000 gallons WF-30  
2000 gallons 28% HCL  
3500 gallons WF-10 - flush and overflush

Wexpro Company  
Amerada Hess Federal Connelly Well No. 1  
Lease No.: U-40052  
1910' FNL, 1910' FEL of S.13, T.36S., R.25E.  
San Juan County, Utah  
10-Point Plan

Page Three

Desired injection rate - 6-7 barrels per minute.

Do not exceed 4500 psi surface treating pressure.

Note: Internal yield pressure for 3-1/2-inch O.D., 9.2 pound, J-55 Seal-Lock thread tubing is 6980 psi. Internal yield pressure for 5-1/2-inch O.D., 17-pound, K-55, LT&C Casing is 5320 psi.

Swab back the acid after the job is completed.

9. No abnormal temperatures, pressures or Hydrogen Sulfide is anticipated.
10. The anticipated starting date is upon approval from the State of Utah and the U.S.G.S.. Duration of drilling will be approximately 30 days, with 10 days completion.

3000 PSI BLOWOUT PREVENTION EQUIPMENT

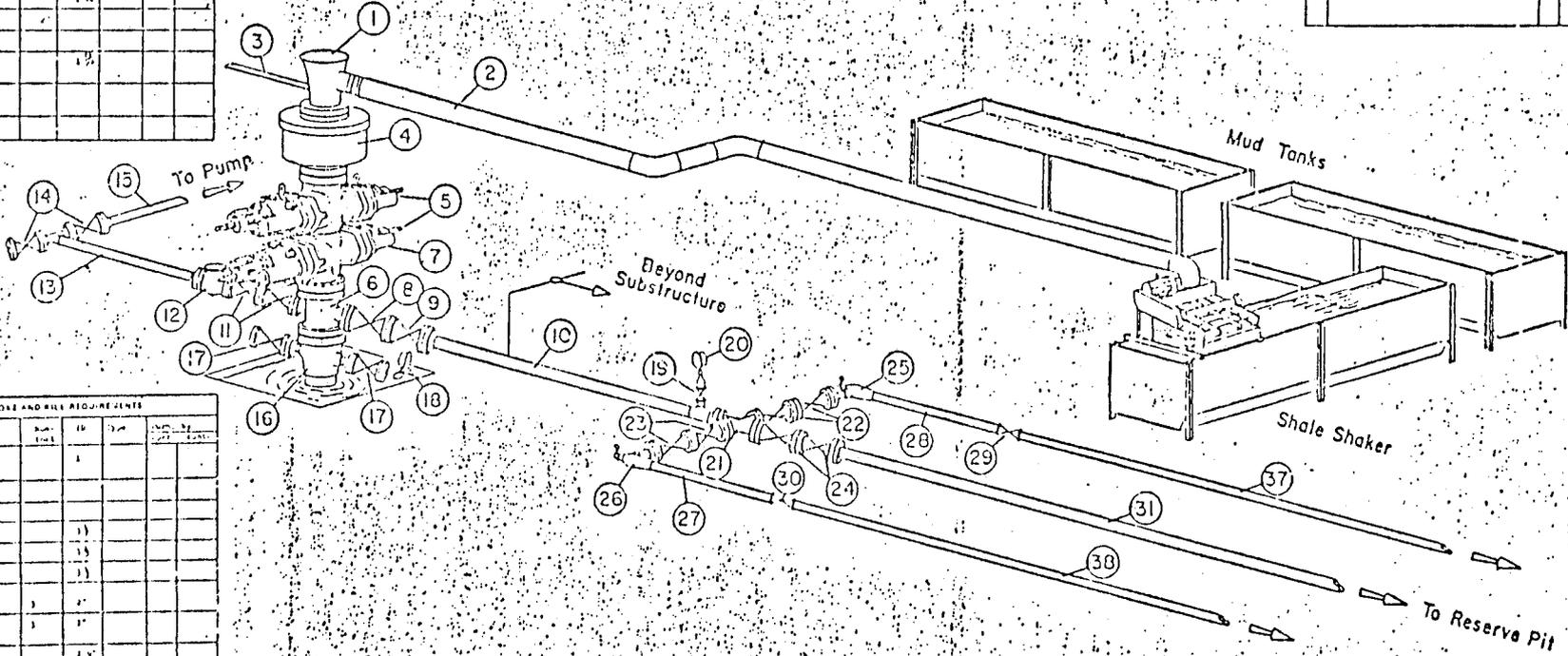
Item	Qty	Unit	Notes
1. Wellhead	1		
2. Blowout Preventer	1		
3. 2" Drill Pipe	200		
4. 2" Drill Pipe	200		
5. 2" Drill Pipe	200		
6. 2" Drill Pipe	200		
7. 2" Drill Pipe	200		
8. 2" Drill Pipe	200		
9. 2" Drill Pipe	200		
10. 2" Drill Pipe	200		
11. 2" Drill Pipe	200		
12. 2" Drill Pipe	200		
13. 2" Drill Pipe	200		
14. 2" Drill Pipe	200		
15. 2" Drill Pipe	200		
16. 2" Drill Pipe	200		
17. 2" Drill Pipe	200		
18. 2" Drill Pipe	200		
19. 2" Drill Pipe	200		
20. 2" Drill Pipe	200		
21. 2" Drill Pipe	200		
22. 2" Drill Pipe	200		
23. 2" Drill Pipe	200		
24. 2" Drill Pipe	200		
25. 2" Drill Pipe	200		
26. 2" Drill Pipe	200		
27. 2" Drill Pipe	200		
28. 2" Drill Pipe	200		
29. 2" Drill Pipe	200		
30. 2" Drill Pipe	200		
31. 2" Drill Pipe	200		
32. 2" Drill Pipe	200		
33. 2" Drill Pipe	200		
34. 2" Drill Pipe	200		
35. 2" Drill Pipe	200		
36. 2" Drill Pipe	200		
37. 2" Drill Pipe	200		
38. 2" Drill Pipe	200		
39. 2" Drill Pipe	200		
40. 2" Drill Pipe	200		
41. 2" Drill Pipe	200		
42. 2" Drill Pipe	200		
43. 2" Drill Pipe	200		
44. 2" Drill Pipe	200		
45. 2" Drill Pipe	200		
46. 2" Drill Pipe	200		
47. 2" Drill Pipe	200		
48. 2" Drill Pipe	200		
49. 2" Drill Pipe	200		
50. 2" Drill Pipe	200		

# MOUNTAIN FUEL SUPPLY COMPANY

## 3000 psi BLOWOUT PREVENTION EQUIPMENT

SPECIAL CHOKE AND BILL REQUIREMENTS			

SPECIAL STACK REQUIREMENTS			



Item	Qty	Unit	Notes
1. Wellhead	1		
2. Blowout Preventer	1		
3. 2" Drill Pipe	200		
4. 2" Drill Pipe	200		
5. 2" Drill Pipe	200		
6. 2" Drill Pipe	200		
7. 2" Drill Pipe	200		
8. 2" Drill Pipe	200		
9. 2" Drill Pipe	200		
10. 2" Drill Pipe	200		
11. 2" Drill Pipe	200		
12. 2" Drill Pipe	200		
13. 2" Drill Pipe	200		
14. 2" Drill Pipe	200		
15. 2" Drill Pipe	200		
16. 2" Drill Pipe	200		
17. 2" Drill Pipe	200		
18. 2" Drill Pipe	200		
19. 2" Drill Pipe	200		
20. 2" Drill Pipe	200		
21. 2" Drill Pipe	200		
22. 2" Drill Pipe	200		
23. 2" Drill Pipe	200		
24. 2" Drill Pipe	200		
25. 2" Drill Pipe	200		
26. 2" Drill Pipe	200		
27. 2" Drill Pipe	200		
28. 2" Drill Pipe	200		
29. 2" Drill Pipe	200		
30. 2" Drill Pipe	200		
31. 2" Drill Pipe	200		
32. 2" Drill Pipe	200		
33. 2" Drill Pipe	200		
34. 2" Drill Pipe	200		
35. 2" Drill Pipe	200		
36. 2" Drill Pipe	200		
37. 2" Drill Pipe	200		
38. 2" Drill Pipe	200		

DEVELOPMENT PLAN FOR U.S.G.S. APPROVAL OF SURFACE USE  
WEXPRO DRILLING WELLS

Well Name: Amerada Hess Federal-Connelly Well No. 1

Field or Area: Bug Area

1. Existing Roads:

A) Proposed well site as staked: Refer to well location plat no. M-15351, well pad layout map no. M-15351 and area map no. M-13907 for location of well, access road, cuts and fills, directional reference stakes, etc.

B) Route and distance from nearest town or locatable reference point to where well access route leaves main road: Refer to area map no. M-13907. From the well to Dove Creek, Colorado is 16 miles.

C) Access road to location: Refer to well location plat no. M-15351 and area map no. M-13907 for access road. (Color coded red for existing road and blue for road to be constructed.)

D) If exploratory well, all existing roads within a 3-mile radius of well site:  
Not an exploratory well.

E) If development well, all existing roads within a 1-mile radius:  
Refer to area map M-13907 for roads within 1 mile radius.

F) Plans for improvement and/or maintenance of existing roads:  
No plans to improve existing roads. Roads to be maintained as needed by Mountain Fuel Supply Company.

2. Planned Access Road:

A) Width - 16' wide from shoulder to shoulder.

B) Maximum grade - The maximum grade on the road is 8 percent.

C) Turnouts - No turnouts will be constructed.

D) Drainage design - A drainage ditch on the uphill side of the road will be constructed. It will be a minimum of one foot below the surface of the road. No water diversion ditches are anticipated.

E) Location and size of culverts and description of major cuts and fills -  
1) No culverts required.

2) No major cuts or fills required.

F) Surfacing material - None anticipated.

G) Necessary gates, cattle guards or fence cuts - None required.

H) New or reconstructed roads - Road to well pad now exists.

3. Location of Existing Wells - Refer to area map no. M-13907

A) Water wells - None within a one mile radius.

- B) Abandoned wells - None within a one mile area.
  - C) Temporarily abandoned wells - None within one mile area.
  - D) Disposal wells - None within the area.
  - E) Drilling wells - May No. 2 Bug being drilled in the NE 1/4 SW 1/4 of Section 7, T.36S., R.26E., San Juan County, Utah.
  - F) Producing wells - Bug Well No. 1 located in the NE 1/4 SE 1/4 of Section 12, T.36S., R.25E., San Juan County, Utah.
  - G) Shut-in wells - None within a one mile radius.
  - H) Injection wells - None within the area.
  - I) Monitoring or observation wells for other resources - None within the area.
4. Location of Existing and/or Proposed Facilities - Refer to area map no. M- 13907
- A) 1) Tank Batteries - None within a one mile radius.
  - 2) Production Facilities - None within a one mile radius.
  - 3) Oil Gathering Lines - None within a one mile radius.
  - 4) Gas Gathering Lines - None within a one mile radius.
  - 5) Injection Lines - None within the area.
  - 6) Disposal Lines - None within the area.
- B) 1) Proposed location and attendant lines by flagging if off the well pad - Lateral gathering system for a pipeline is now in the planning stages. For this well, a lateral would most likely follow the access road to the northeast to tie into the proposed trunk line.
- 2) Dimensions of facilities - Refer to Drawing M-12205
  - 3) Construction methods and materials - The on-location pipelines will be buried approximately 30". The dehydration unit will be a pre-fab unit and will be skid mounted & installed on a gravel base. The tank will have a fire dyke installed around it. The pit will be fenced as described below. Also, the pit will be approximately 7' deep.
  - 4) Protective measures and devices to protect livestock and wildlife - All sump pits will be fenced. The fence shall be woven wire at least 48-inches high and within 4-inches of the ground. If oil is in the sump pit, the pit will be overhead flagged to keep birds out.

- C) Plans for rehabilitation of disturbed area no longer needed for operations after construction is completed - Areas of none use will be restored and reseeded as recommended by the B.L.M.
5. Location and Type of Water Supply - Refer to map M-13907
- A) Location of Water - Section 5, T.36S., R.26E., Roy Gilbreth water pond.
- B) Method of Transporting Water - To be hauled by tank truck over existing access roads.
- C) Water Well to be Drilled on Lease - None anticipated.
6. Source of Construction Material - None anticipated.
- A) Information - None.
- B) Identify if from Federal or Indian land - None.
- C) Where materials are to be obtained and used - None.
- D) Access roads crossing Federal or Indian lands - None.
7. Method for Handling Waste Disposal -
- A-D) Cuttings and drilling fluids will be placed in the mud pit. Any produced liquids will be placed in test tanks and hauled out by tank trucks. A chemical toilet will be installed on the well pad. The mud pit shall be constructed with at least 1/2 of its holding capacity below ground level. It shall be fenced as described in Section 10-A.
- E) Garbage and other waste material will be placed in the burn pit and covered over with wire mesh to contain the garbage.
- F) After drilling operations have been completed, the location will be cleared of litter, and the trash will be burned in the burn pit. The burn pit will be covered over. The mud pit liquids will be allowed to evaporate. Any fill material on the mud pit will be compacted with heavy equipment.
8. Ancillary Facilities - No camps or airstrips exist now, and Wexpro Company has no plans to build them.
9. Well Site Layout - Refer to drawing no. M-15351
- 1) Location now existing; mud pit will be re-excavated. No new disturbed area for the well site will be encountered in the drilling of the well.
- 2, 3) Refer to the location plat for location of mud tanks, reserve pit, burn pit, pipe racks, living facilities, soil material stockpile, rig orientation, parking areas and access roads.
- 4) The mud pit is to be unlined.
10. Plans for Restoration of Surface -
- A) After drilling operations, the well site will be cleared and cleaned and the burn pit filled in. Should the well be a dry hole, the surface will be restored to the extent that it will blend in with the landscape. Prior to the onset of drilling, the mud pit shall be fenced on three sides. Immediately upon completion of drilling, the fourth side of the pit will be fenced. The fence will be maintained until restoration. Any topsoil salvaged from the existing mudpit will be utilized during restoration phase. Since top soil was not salvaged during the original restoration of well location, re-entry of well pad will be difficult to restore to natural soil conditions.
- B) Revegetation and rehabilitation of the location and access road will be done to comply with Bureau of Land Management recommendations.
- C) Prior to rig release, pits will be fenced and so maintained until clean up. The trash pit will be dug so when filled, the depth will be at least three-feet below the finished contour of the location.

D) If oil is in the mud pit, overhead flagging will be installed to keep birds out.

E) Clean up will begin within two months after drilling operations have been completed and the land will be restored at this time.

11. Other Information -

A) The location lies on a bench below Cedar Point and between Monument and Coal Bed Canyons. The soil is sandy with sandstone outcrops. The vegetation is Juniper trees and sagebrush and grasses.

B) The surface at the well site is U. S. Government. A portion of the access road crosses M. C. Turner land.

C) No major source of water exists in the area. Joseph Gilbreth's ranch is located approximately 1 mile northeast. Several archaeological sites are located throughout the area. No historical or cultural sites exist to my knowledge.

12. Lessee's or Operator's Representative -

A. J. Maser, Drilling Superintendent, P. O. Box 1129, Rock Springs, Wyoming 82901, Telephone No. 307-362-5611.

13. Certification -

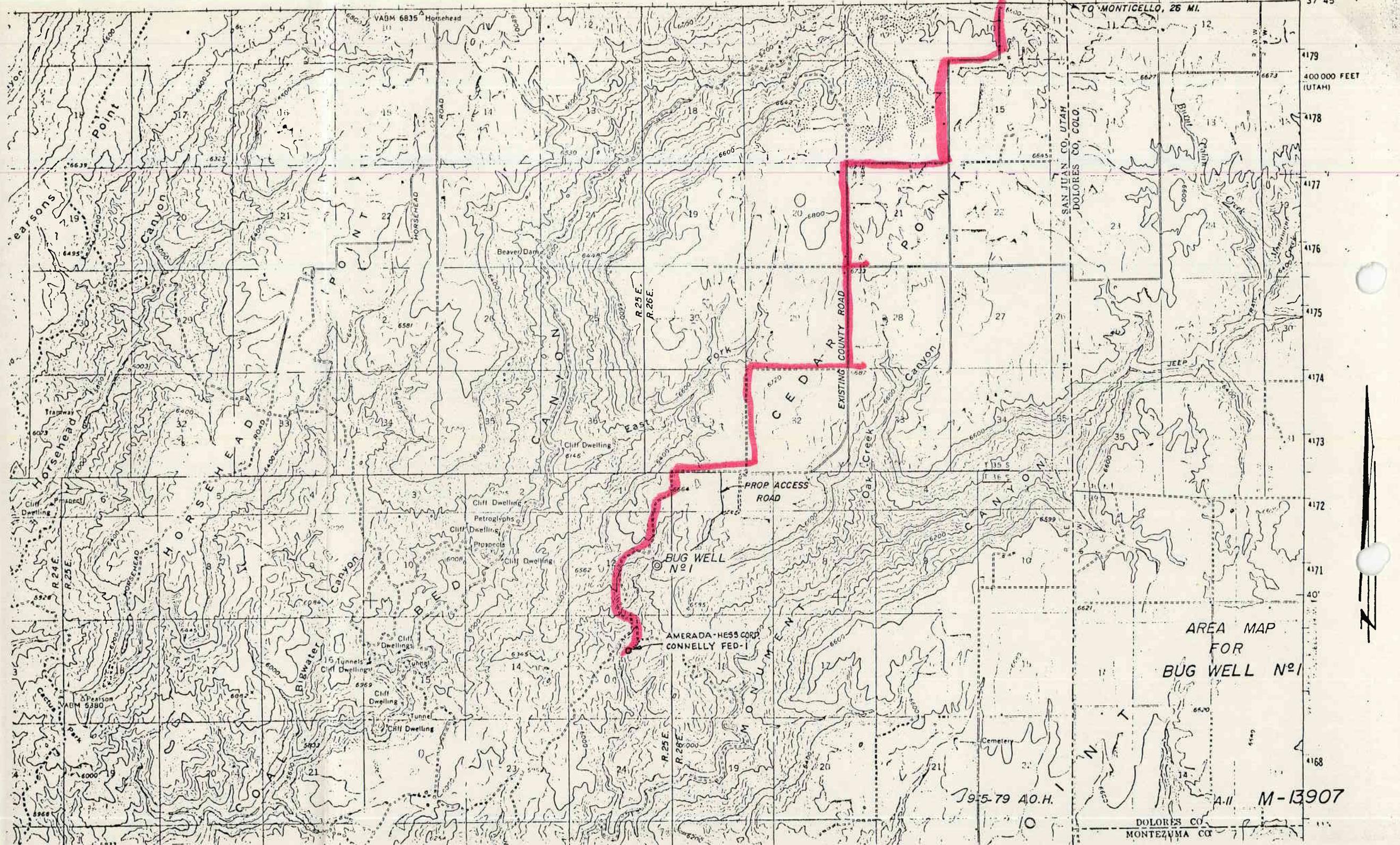
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Wexpro Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date 5/30/80

Name *Alex Maser for*

Alex Maser

Title Drilling Superintendent



VABM 6835 Horsehead

TO MONTICELLO, 26 MI.

37°45'

4179  
400 000 FEET  
(UTAH)

SAN JUAN CO, UTAH  
DOLORES CO, COLO.

4178  
4177  
4176  
4175  
4174  
4173  
4172  
4171  
40'

AREA MAP  
FOR  
BUG WELL No. 1

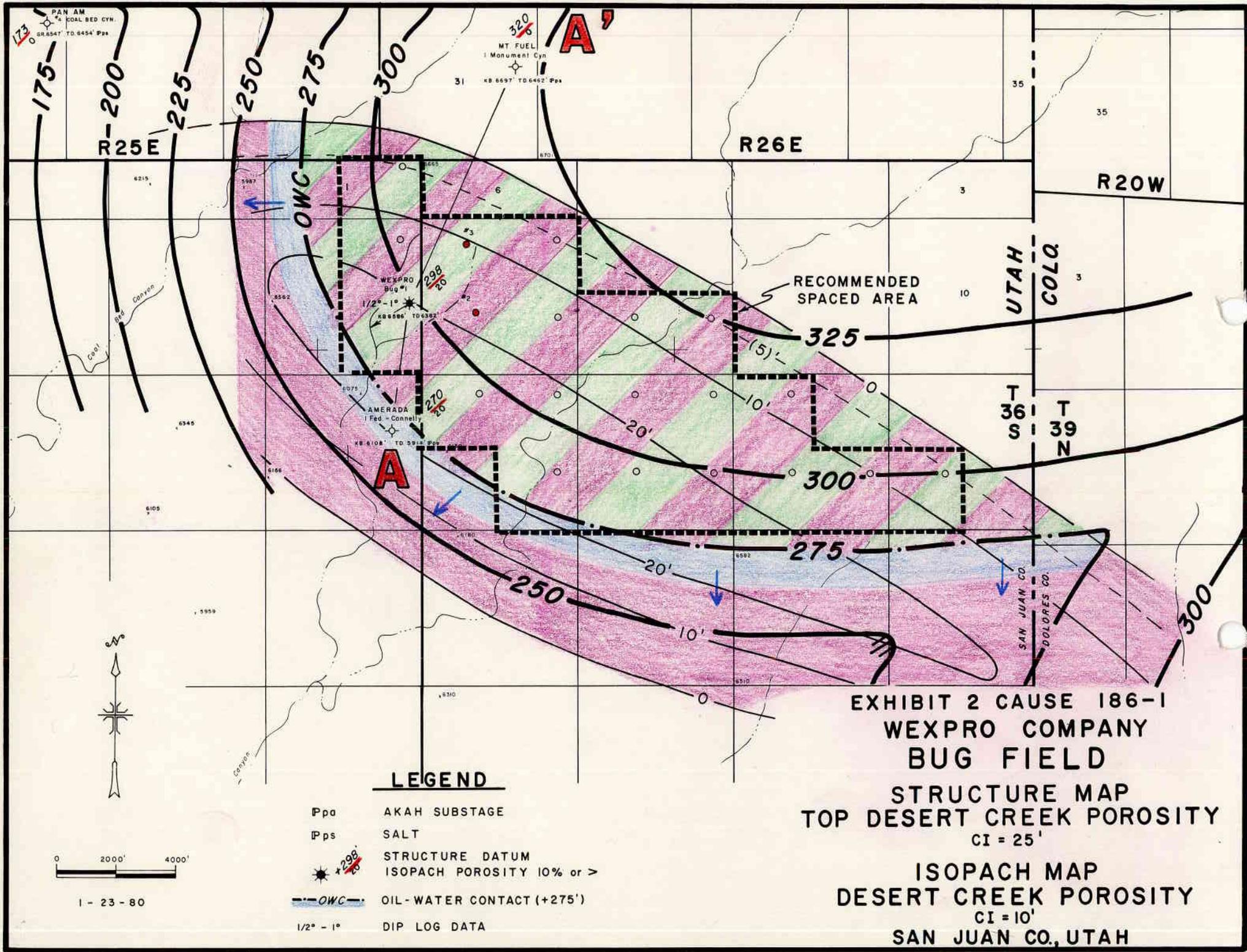
19-5-79 A.O.H.

A-11 M-13907

DOLORES CO  
MONTEZUMA CO







**LEGEND**

- Ppa AKAH SUBSTAGE
- Pps SALT
- ★ 298/20 STRUCTURE DATUM
- ★ 270/25 ISOPACH POROSITY 10% or >
- OWC --- OIL-WATER CONTACT (+275')
- 1/2° - 1° DIP LOG DATA

EXHIBIT 2 CAUSE 186-1  
 WEXPRO COMPANY  
 BUG FIELD  
 STRUCTURE MAP  
 TOP DESERT CREEK POROSITY  
 CI = 25'  
 ISOPACH MAP  
 DESERT CREEK POROSITY  
 CI = 10'  
 SAN JUAN CO., UTAH



1 - 23 - 80



**A**  
SOUTH

**A'**  
NORTH



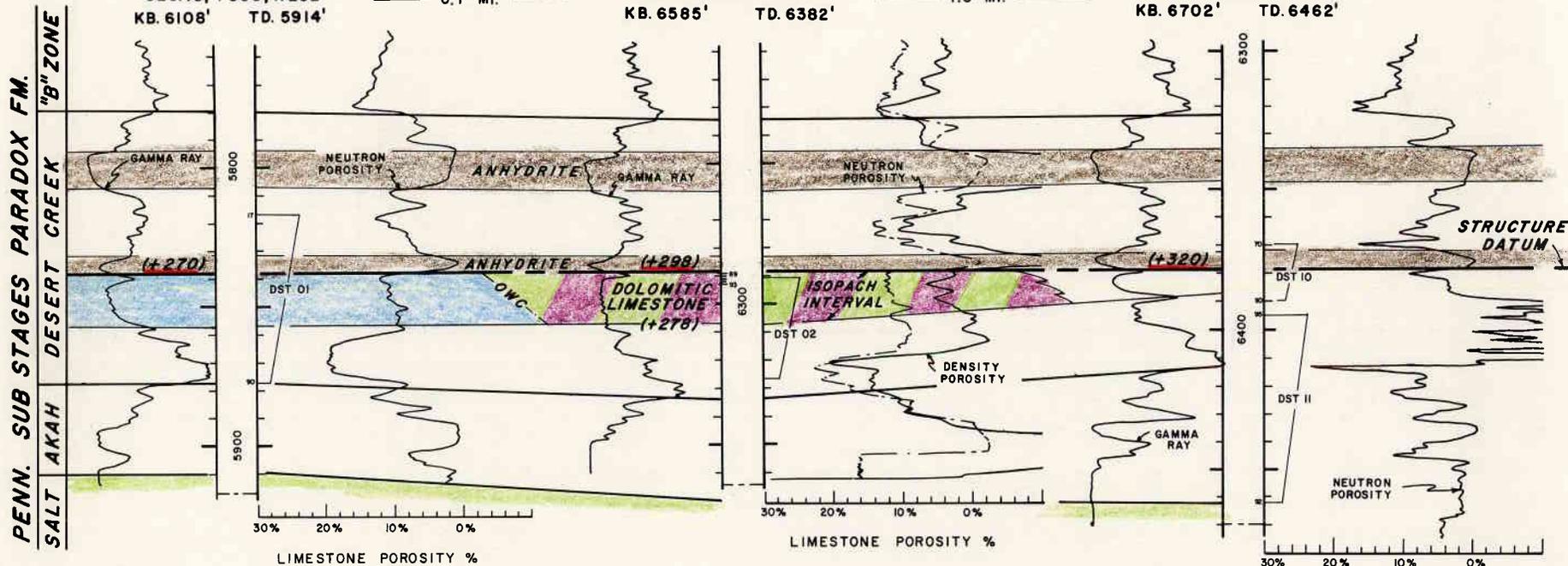
**AMERADA**  
NO. 1 FED. CONNELLY  
SEC. 13, T 36S, R 25E  
KB. 6108' TD. 5914'

**WEXPRO**  
BUG WELL NO. 1  
SEC. 12, T 36S, R 25E  
KB. 6585' TD. 6382'

**MT. FUEL**  
MONUMENT CYN. NO. 1  
SEC. 31, T 35S, R 26E  
KB. 6702' TD. 6462'

0.7 MI.

1.8 MI.



DST 1 5817'-5890' DESERT CREEK  
REC. 364' WCM & 3943' SALT WATER

DST 2 6297'-6333' (Adjusted to Logs) DESERT CREEK  
REC. 37 BW, 180 BO 2 HRS. 40 MIN. STABILIZED AT  
6,500 MCF/GPD. EXTRAPOLATED SHUTIN PRESSURE  
3579 psig  
PERFS: 6289'-6291'

DST 10 6370'-6395' DESERT CREEK  
REC. 5' MUD.  
DST 11 6390'-6462' DESERT CREEK  
REC. 95' MUD.

EXHIBIT 3 CAUSE 186-1  
WEXPRO COMPANY  
NORTH-SOUTH  
STRATIGRAPHIC CROSS SECTION  
BUG FIELD  
SAN JUAN CO., UTAH

## VOLUMETRIC ESTIMATE

$$N = \frac{7758 \phi (1-S_w) Ah}{B_o}$$

Recoverable Oil = N (% primary recovery)

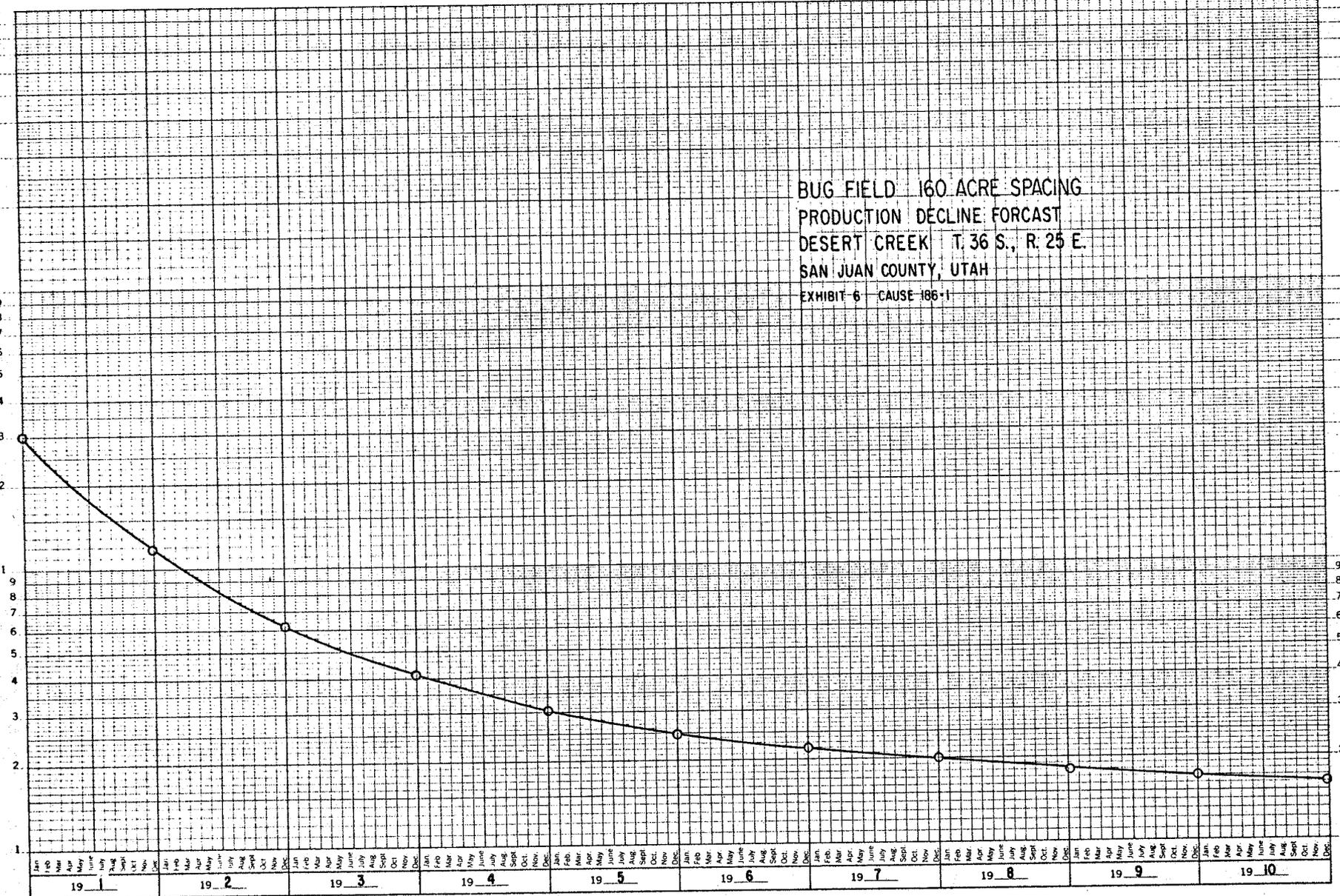
Recoverable Oil = 103,359

$\phi$  = 14%  
Sw = 30%  
h = 12 feet  
A = 160 acres  
Bo = 1.836

Recovery = 13%

OIL PRODUCTION RATE  
 STB/Day

BUG FIELD 160 ACRE SPACING  
 PRODUCTION DECLINE FORECAST  
 DESERT CREEK T. 36 S., R. 25 E.  
 SAN JUAN COUNTY, UTAH  
 EXHIBIT 6 - CAUSE 186-1



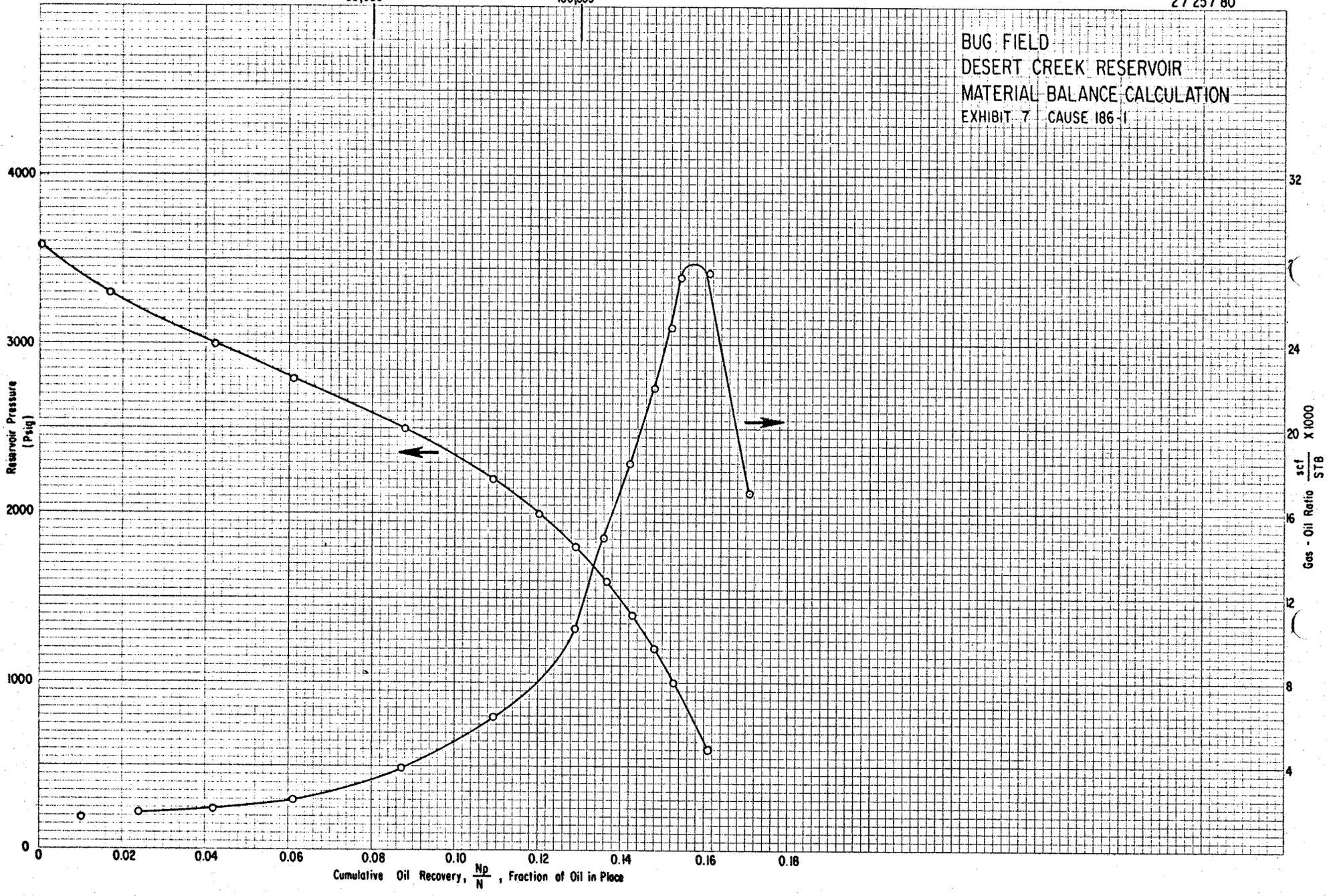
CUMMULATIVE OIL PRODUCTION, STB

2 / 25 / 80

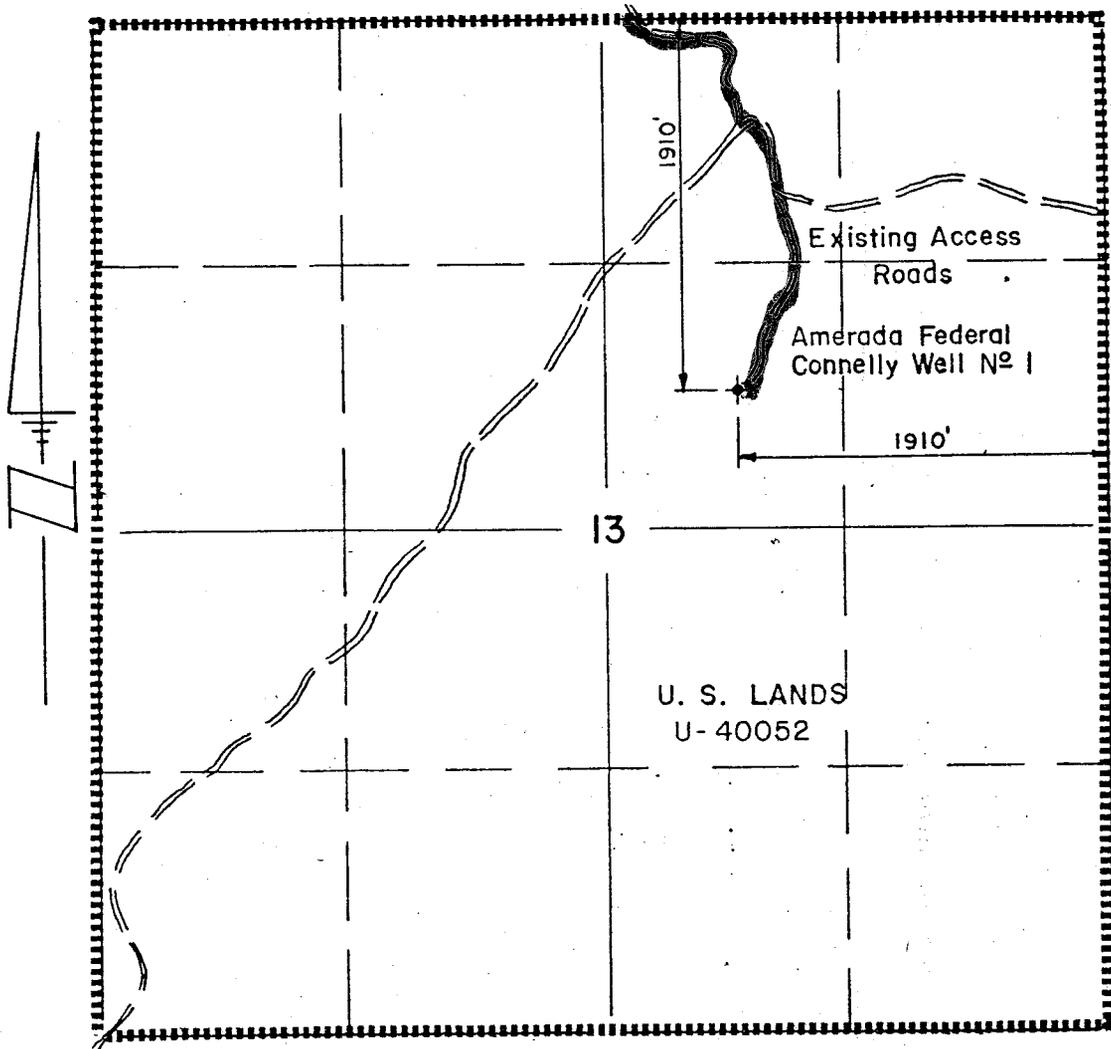
BUG FIELD  
DESERT CREEK RESERVOIR  
MATERIAL BALANCE CALCULATION  
EXHIBIT 7 CAUSE 186-1

47 0703

K-E 10 X 10 TO THE INCH 400 X 10 INCHES  
REDFIELD & BARNER CO. MINN. U.S.A.



T.36S.,R.25E., S.L.B.&M.  
San Juan County, Utah



LOCATION PLAN 1910' to nearest Lease Line  
SCALE 1" = 1000

This is to certify that the above plat was prepared from field notes of actual surveys made by Fred B. Kerr on September 9, 1971 and resurveys made by me or under my supervision and that the same are true and correct to the best of my knowledge.

LEGEND

- ⊕ Well
- ⊕ Stone Corner
- ⊕ Pipe Corner

*Daniel J. Mates*  
ENGINEER

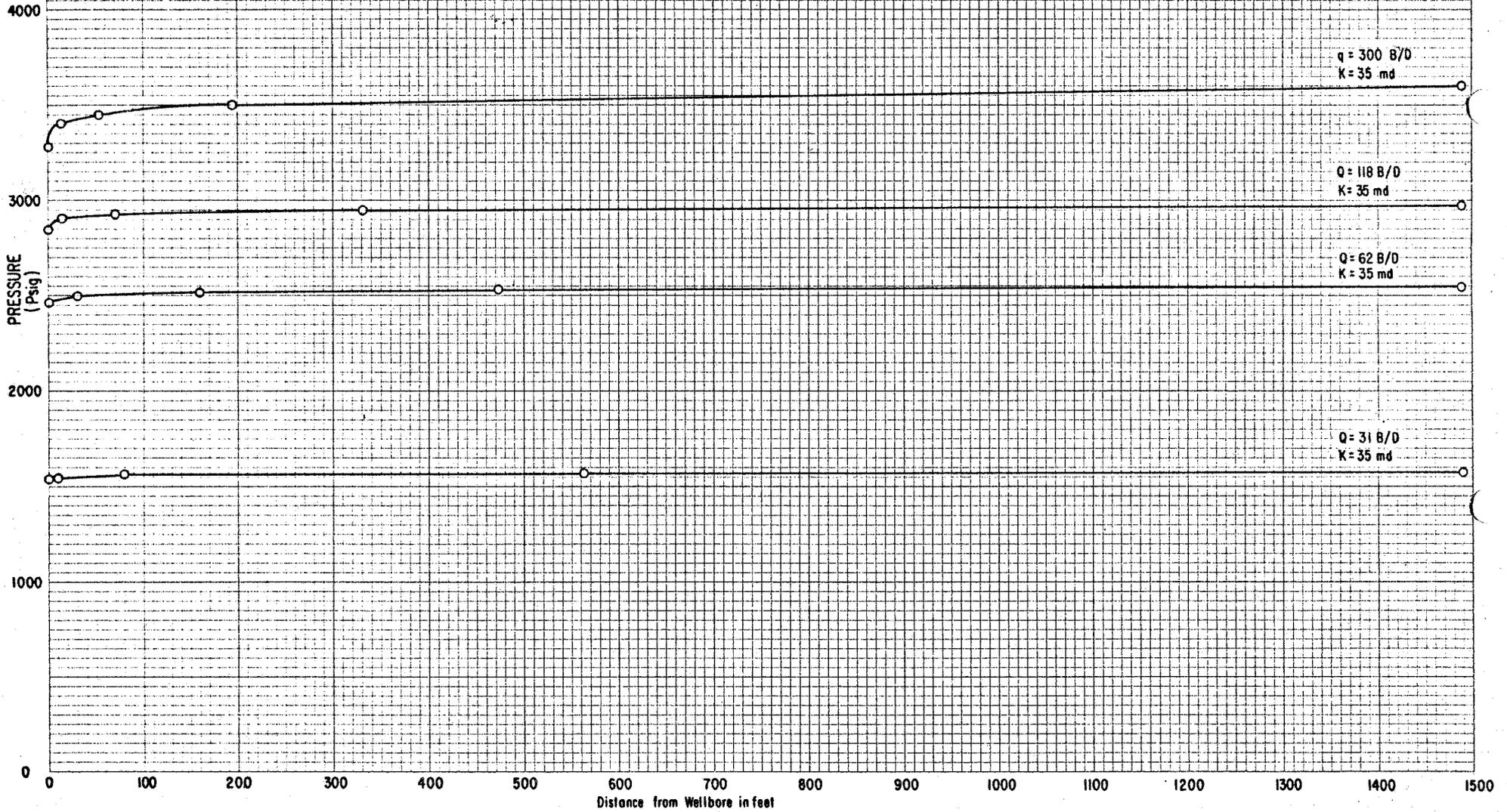
Daniel T. Mates Utah Registration L. S. No 5035

ENGINEERING RECORD		 <b>WEXPRO COMPANY</b>	
SURVEYED BY	F.B.K. 9-9-71, D.T.M. 5-20-80		
REFERENCES	G.L.O. PLAT <input checked="" type="checkbox"/> U.S.G.S. QUAD. MAP <input checked="" type="checkbox"/>	CERTIFIED WELL LOCATION AND WELL SITE PLAN  Amerada Federal Connelly Well No 1	
LOCATION DATA			
FIELD	BUG		
LOCATION: SW, NE, Sec. 13, T.36S., R.25E., S.L.B.&M. 1910' FNL, 1910' FEL			
SAN JUAN COUNTY, UTAH		DRAWN: crw 5/28/80	SCALE: 1" = 1000
WELL ELEVATION: 6097 "AS GRADED" ELEVATIONS FROM U.S.G.S. BENCH MARK		CHECKED: DTM	DRWG. NO. M-15351
		APPROVED: RWH	1/4

BUG FIELD - DESERT CREEK RESERVOIR  
CALCULATED PRESSURE DISTRIBUTION AROUND A PRODUCING WELL  
EXHIBIT 8 CAUSE 186-1

47 0703

K=5  
10 X 10 TO THE INCH TO A 10 INCH  
WELLBORE 10 FEET TO A 10 INCH



BUG FIELD  
DESERT CREEK RESERVOIR  
160 Acre Spacing

\* Pressure Distribution at various rate and pressures

Pe (psig)	Pw	P	Re (feet)	
3579	3276	303	1490	Pe = 3579
3500	3276	224	196	Q = 300 B/D
3450	3276	174	54	Mo = .209 cps
3400	3276	124	15	rw = .60 feet
				K = 35 md
				Bo = 1.836
				h = 12 feet
2975	2846	129	1490	Pe = 2975
2950	2846	104	332	Q = 118 B/D
2925	2846	79	72	Mo = .250 cps
2900	2846	54	16	Bo = 1.660
				K = 35 md
				rw = .60 feet
				h = 12 feet
2540	2469	71	1490	Pe = 2540
2530	2469	61	474	Q = 62 B/D
2520	2469	51	159	Mo = .284 cps
2500	2469	31	18	Bo = 1.544
				K = 35 md
				rw = .60 feet
				h = 12 feet
1575	1535	40	1490	Pe = 1575
1570	1535	35	564	Q = 31 B/D
1560	1535	25	80	Mo = .361 cps
1550	1535	15	11	Bo = 1.359
				K = 35 md
				rw = .60 feet
				h = 12 feet

DEPLETION TIME CALCULATIONS  
160 Acre Spacing - Bug Field

<u>Pe (psi)</u>	<u>Paug (psi)</u>	<u>Qo STB/DAY</u>	<u>Qo Aog</u>	<u>Cum Oil Prod Fraction</u>	<u>Cum Oil Prod STB</u>	<u>Oil Prod During Per STB</u>	<u>Time Days</u>	<u>Cumulative Time Days</u>
3579	3560	300	300*	.01	7,951	7,951	27	27
2975	2966	118	209**	.047	37,368	29,417	141	168
2540	2535	62	90	.087	69,171	39,754	442	610
1575	1572	31	46.5	.137	108,924	69,170	1488	2098-5.75 yrs

\* For the purpose of the first time calculation, it was arbitrarily assumed that the well would produce at an average rate of 300 B/D from time of initial completion until the reservoir pressure declined below 3560 psig.

\* 
$$Q_{ave}^o = \frac{300 + 118}{2} = 209$$

The above equation assumes constant percentage decline.

**PRESENT STATUS DRAWING**

KB 6118.80'

GL 6097.00'

<b>WELL</b>
Connelly Federal No. 1
<b>FIELD</b>
Bug Area
<b>LOCATION</b>
SW NE Sec 13 T36S R25E

13 3/8" - 48# Surface Casing

108.00'

8 5/8" - 24# K55 8Rd ST&C Casing

902.28'

8 5/8" - 24# K55 8Rd ST&C Casing

1621' (Original Casing)

Cement Top

4980.00'

2 7/8" -6.5# J55 8Rd EUE Tubing

5767.45'

Perforations

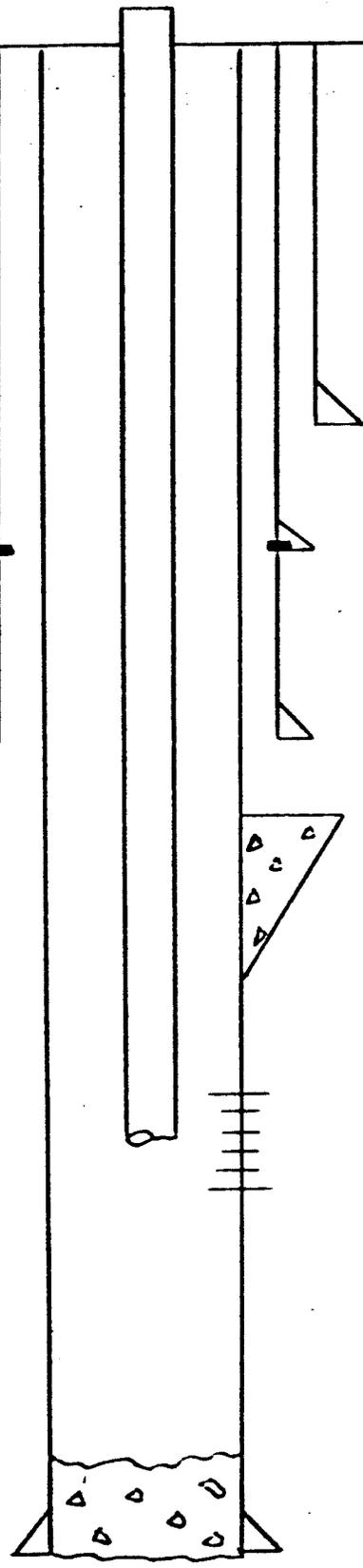
5562' to 5568'

PBD

5875'

TD 5 1/2" - K55 8Rd LT&C Casing

5924.00'



# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

## WATER ANALYSIS REPORT

OPERATOR	<u>Wexpro Company</u>	DATE	<u>2-22-80</u>	LAB NO.	<u>33369-1</u>
WELL NO.	<u>Bug No. 1</u>	LOCATION	<u>SEC 12-36N-25E</u>		
FIELD	<u>Bug</u>	FORMATION	<u>Desert Creek</u>		
COUNTY	<u>San Juan</u>	INTERVAL	<u>6289 - 6293</u>		
STATE	<u>Utah</u>	SAMPLE FROM	<u>{2-8-80}</u>		

REMARKS & CONCLUSIONS:

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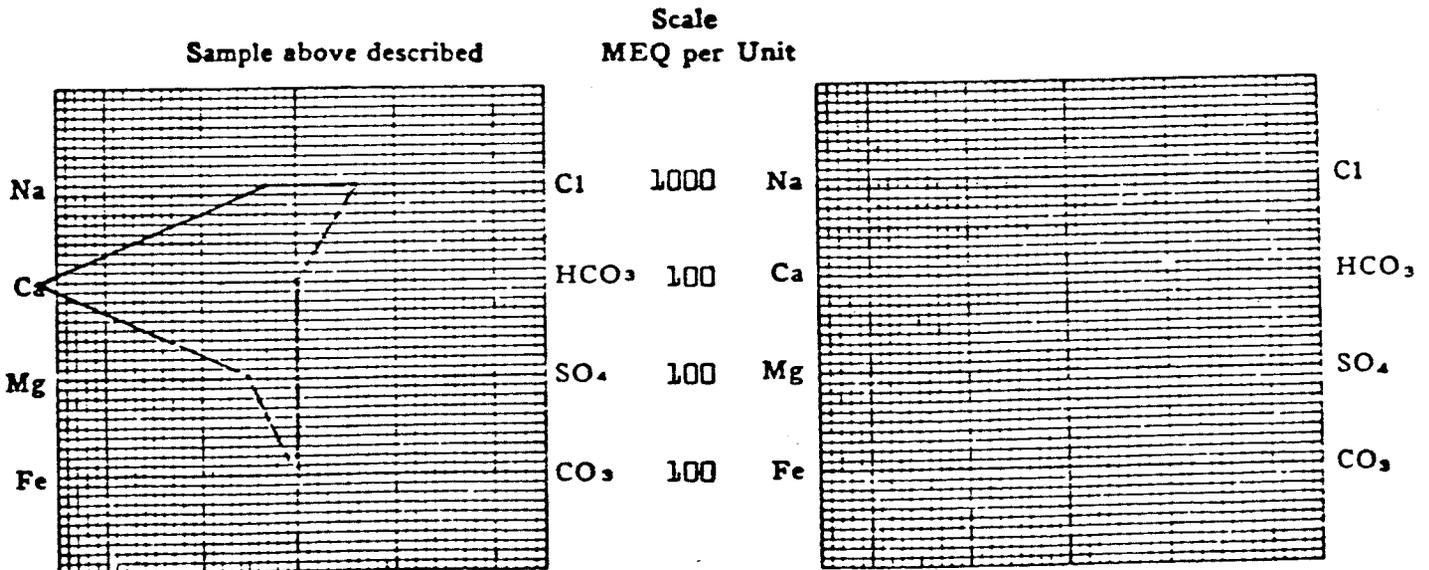


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Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	75573	3287.42	Sulfate	344	7.16
Potassium	6400	163.84	Chloride	240000	6763.00
Lithium	-	-	Carbonate	-	-
Calcium	56000	2794.40	Bicarbonate	293	4.80
Magnesium	6500	534.30	Hydroxide	-	-
Iron	-	-	Hydrogen sulfide	-	-
Total Cations		6779.96	Total Anions		6779.96

Total dissolved solids, mg/l	384961	Specific resistance @ 68°F.:	
NaCl equivalent, mg/l	388424	Observed	0.050 ohm-meters
Observed pH	5.6	Calculated	0.040 ohm-meters

### WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)  
NOTE: Mg/l = Milligrams per liter Meq/l = Milligram equivalents per liter  
Sodium chloride equivalent = by Dunlap & Hawthorne calculation from components

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

## WATER ANALYSIS REPORT

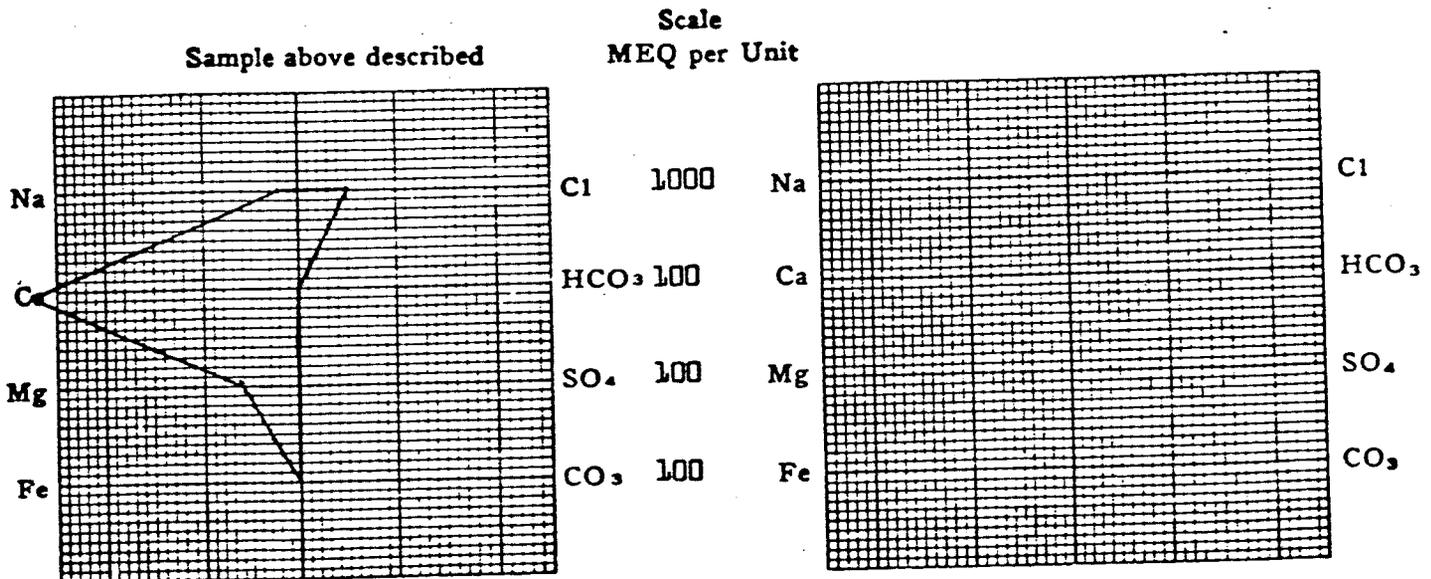
OPERATOR	<u>Hexpro Company</u>	DATE	<u>8-20-80</u>	LAB NO.	<u>35018</u>
WELL NO.	<u>Federal Connelly Well No. 1</u>	LOCATION	<u>Section 13-36S-25E</u>		
FIELD	<u>Bug</u>	FORMATION	<u>Ismay</u>		
COUNTY	<u>San Juan</u>	INTERVAL	<u>5562 - 5568</u>		
STATE	<u>Utah</u>	SAMPLE FROM	<u>Tubing (7-23-80)</u>		

REMARKS & CONCLUSIONS:  
Extremely concentrated water

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	48149	2094.50	Sulfate	106	2.20
Potassium	4900	125.44	Chloride	206000	5809.20
Lithium	-	-	Carbonate	0	0
Calcium	57980	2893.20	Bicarbonate	27	0.44
Magnesium	8500	698.70	Hydroxide	-	-
Iron	present		Hydrogen sulfide	-	-
Total Cations		5811.84	Total Anions		5811.84

Total dissolved solids, mg/l	325648	Specific resistance @ 68°F.:	
NaCl equivalent, mg/l	331190	Observed	0.054 ohm-meters
Observed pH	5.0	Calculated	0.041 ohm-meters

### WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)  
NOTE: Mg/l = Milligrams per liter Meq/l = Milligram equivalents per liter  
Sodium chloride equivalent = by Dunlap & Hawthorne calculation from components

Legal Location  
Sec. - Twp. - King.

13-36-25

Field Area  
Meas. From Tester Valve  
DOVE CREEK

**FLUID SAMPLE DATA**

Date 7-18-80 Ticket Number 728210

Sampler Pressure \_\_\_\_\_ P.S.I.G. at Surface

Recovery: Cu. Ft. Gas \_\_\_\_\_

cc. Oil \_\_\_\_\_

cc. Water \_\_\_\_\_

cc. Mud \_\_\_\_\_

Tot. Liquid cc. \_\_\_\_\_

Gravity \_\_\_\_\_ ° API @ \_\_\_\_\_ °F.

Gas/Oil Ratio \_\_\_\_\_ cu. ft./bbl.

RESISTIVITY \_\_\_\_\_ CHLORIDE CONTENT \_\_\_\_\_

Recovery Water \_\_\_\_\_ @ \_\_\_\_\_ °F. \_\_\_\_\_ ppm

Recovery Mud \_\_\_\_\_ @ \_\_\_\_\_ °F. \_\_\_\_\_ ppm

Recovery Mud Filtrate \_\_\_\_\_ @ \_\_\_\_\_ °F. \_\_\_\_\_ ppm

Mud Pit Sample \_\_\_\_\_ @ \_\_\_\_\_ °F. \_\_\_\_\_ ppm

Mud Pit Sample Filtrate \_\_\_\_\_ @ \_\_\_\_\_ °F. \_\_\_\_\_ ppm

Mud Weight Fresh water vis \_\_\_\_\_ sec.

Kind of D.S.T. CASED HOLE Halliburton Location FARMINGTON

FREIDLINE

Tester GIBSON Witness BOB JOHNSON

Drilling Contractor R & R WELL SERVICES DR

**EQUIPMENT & HOLE DATA**

Formation Tested Ismay

Elevation \_\_\_\_\_ Ft.

Net Productive Interval 14' (5568-5582') Ft.

All Depths Measured From Kelly Bushing

Total Depth 5900' Ft.

Main Hole/Casing Size 5 1/2-17#

Drill Collar Length \_\_\_\_\_ I.D. \_\_\_\_\_

Drill Pipe Length 5516' Tub. I.D. 2.441"

Packer Depth(s) 5534' Ft.

Depth Tester Valve 5522' Ft.

TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
Cushion				
Recovered	20 Feet of water			
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			

Remarks See production test data sheet

UTR-Unable to read

TEMPERATURE	Gauge No. 6040		Gauge No. 6039		Gauge No.		TIME	
	Depth:	5526 Ft.	Depth:	5542 Ft.	Depth:	Ft.	(00:00-24:00 hrs.)	
Calc.	24 Hour Clock		24 Hour Clock		Hour Clock		Tool Opened 13:05	
Est. 150F.	Blanked Off NO		Blanked Off YES		Blanked Off		Opened Bypass 07:30	
Actual °F.	Pressures		Pressures		Pressures		Reported Minutes	Computed Minutes
	Field	Office	Field	Office	Field	Office		
Initial Hydrostatic	2375.4	2387.5	2330.2	2391.3				
First Period	Flow Initial	54.0	95.6	54.3	119.2			
	Flow Final	27.0	18.8	27.2	23.0		235	228
	Closed in	1590.6	1614.8	1597.6	1617.8		870	877
Second Period	Flow Initial							
	Flow Final							
	Closed in							
Third Period	Flow Initial							
	Flow Final							
	Closed in							
Final Hydrostatic	2456.7	UTR	2466.1	UTR				

Casing perms. \_\_\_\_\_ Bottom choke \_\_\_\_\_ Surf. temp \_\_\_\_\_ °F Ticket No. 728210  
 Gas gravity \_\_\_\_\_ Oil gravity \_\_\_\_\_ GOR \_\_\_\_\_  
 Spec. gravity \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm Res. \_\_\_\_\_ @ \_\_\_\_\_ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
0830						On location
0545						Picked up tools
1245						In hole
1305						Opened tool with a light blow
1320			1.5 #			Good blow
1325			1.75 #			Good blow
1330			1.75 #			Good blow
1335			1.5 #			Fair blow
1350			1.25			Fair blow
1405			1 #			Little blow
1420			8 oz.			Light blow
1443			6 oz.			"
1521			4 oz.			"
1551			4 oz.			"
1621			4 oz.			"
1651			"			"
1700						Closed tool
1700						Shut in for night
7-19-80						Opened by pass, trip out of hole.
0730						Out of hole
1000						Job completed

WEXPRO COMPANY  
 Lease Owner/Company Name

728210  
 Ticket Number

B.T. 6040

B.T. 6039

B.T.

Depth 5526'

Depth 5542'

Depth

24 Hour Clock

24 Hour Clock

PAGE 1

P-0  
 1  
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 3  
 4  
 5  
 6

Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
FIRST FLOW			FIRST FLOW					
.000		95.6	.000		119.2			
.0962*		25.6	.0951		27.1			
.2335		21.5	.2308		24.3			
.3709		20.2	.3666		23.0			
.5083		18.8	.5024		23.0			
.6456		18.8	.6382		23.0			
.7830		18.8	.7740		23.0			
40 Minute Intervals			40 Minute Intervals					
*-28 Minute Interval			*-28 Minute Interval					
FIRST CIP			FIRST CIP					
.000		18.8	.000		23.0			
.1038		152.2	.1019		161.2			
.2076		266.8	.2038		272.3			
.3113		365.2	.3057		372.6			
.4151		456.8	.4076		466.1			
.5189		543.1	.5095		548.6			
.6227		622.6	.6114		632.4			
.7265		699.4	.7133		708.4			
.8302		770.8	.8152		775.6			
.9340		834.2	.9171		839.2			
1.0378		892.1	1.0190		889.2			
1.1416		947.4	1.1209		952.7			
1.2454		1001.3	1.2228		1005.4			
1.3491		1051.2	1.3247		1055.5			
1.4529		1098.3	1.4266		1102.9			
1.5567		1142.8	1.5285		1147.6			
1.6605		1185.9	1.6304		1191.0			
1.7642		1226.4	1.7323		1231.7			
1.8680		1265.4	1.8342		1271.0			
1.9718		1303.2	1.9361		1307.5			
2.0756		1339.6	2.0380		1342.8			
2.1794		1380.0	2.1399		1378.0			
2.2831		1406.9	2.2418		1410.5			
2.3869		1437.9	2.3437		1443.0			
2.4907		1468.9	2.4456		1472.8			
2.5945		1499.9	2.5475		1516.2			
2.6983		1526.9	2.6494		1532.5			
2.8021		1555.4	2.7513		1558.2			
2.9058		1582.4	2.8532		1586.7			
3.0096		1609.4	2.9551		1611.1			
3.034**		1614.8	2.978**		1617.8			
30 Minute Intervals			30 Minute Intervals					

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Remarks: \*\* -7 Minute Intervals



	O. D.	I. D.	LENGTH	DEPTH
<del>Drill Pipe or Tubing</del> .....	2 7/8"	2.441"	5516'	
Drill Collars .....				
Reversing Sub .....				
Water Cushion Valve .....				
Drill Pipe .....				
Drill Collars .....				
Handling Sub & Choke Assembly .....				
Dual CIP Valve .....	3"	.44"	5.5'	5516.8'
Dual CIP Sampler .....				
Hydro-Spring Tester .....	3"	.50"	4.4'	5522.3'
Multiple CIP Sampler .....				
Extension Joint .....				
AP Running Case .....	3"	1.6"	4.7'	5526'
Hydraulic Jar .....				
VR Safety Joint .....	3"	.56"	2.6'	
Pressure Equalizing Crossover .....				
Packer Assembly .....	4.55"	1.9"	4'	5534'
Distributor .....				
Packer Assembly .....				
Flush Joint Anchor .....	2 3/8"	1.995"	8'	
Pressure Equalizing Tube .....				
Blanked-Off B.T. Running Case .....	3"	2.31"	4'	5542'
Drill Collars .....				
Anchor Pipe Safety Joint .....				
Packer Assembly .....				
Distributor .....				
Packer Assembly .....				
Anchor Pipe Safety Joint .....				
Side Wall Anchor .....				
Drill Collars .....				
Flush Joint Anchor .....				
Blanked-Off B.T. Running Case .....				
Total Depth .....				5900'

6040

728210-6040

PRESSURE

TIME

6039

728210-6039

Each Horizontal Line Equal to 1000 p.s.i.

\*\* FILE NOTATIONS \*\*

DATE: June 4, 1980  
OPERATOR: Wlexpro Company  
WELL NO: Federal Connelly #1  
Location: Sec. 13 T. 36S R. 25E County: San Juan

File Prepared:  Entered on N.I.D.:   
Card Indexed:  Completion Sheet:

API Number 43-037-30064

CHECKED BY:

Petroleum Engineer: M.J. Minden 6-13-80 Approval for reentry only.  
CAN NOT BE APPROVED FOR SALT WATER DISPOSAL WITHOUT BOARD  
APPROVAL. (called 6-13-80 L. Martin)

Director: \_\_\_\_\_  
\_\_\_\_\_

Administrative Aide: \_\_\_\_\_  
\_\_\_\_\_

APPROVAL LETTER:

Bond Required:  Survey Plat Required:   
Order No. \_\_\_\_\_ O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation Fed. Plotted on Map

Approval Letter Written

Hot Line  P.I.

*Handwritten notes:*  
C-3 10/10/80  
stop

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. oil well  gas well  other

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P.O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
1910' FNL, 1910' FEL, S.13, T.36S.,  
AT SURFACE: R.25E., SLB&M  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: 5832'

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>

(other) Delete Salt Water disposal well sentence.

5. LEASE  
Federal Lease U-40052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
Federal Connelly

9. WELL NO.  
1

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
S.13, T.36S., R.25E., SLB&M

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6097' GR

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

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

Propose to re-enter well to test for possibility of commercial production of oil/gas in the Upper Ismay Formation.

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

18. I hereby certify that the foregoing is true and correct  
SIGNED Ray W. Headd TITLE Div. Engr. DATE 6/16/80

(This space for Federal or State office use)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. oil well  gas well  other

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P.O. Box 1129, Rock Springs, Wyo. 82901

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 1910' FNL, 1910' FEL, S.13, T.36S., R.25E. S.13, T.36S., R.25E., SLB&M  
AT SURFACE: SLB&M  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: 5832'

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

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input checked="" type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <input type="checkbox"/>	<input type="checkbox"/>

5. LEASE U-40052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---

7. UNIT AGREEMENT NAME ---

8. FARM OR LEASE NAME Federal Connelly

9. WELL NO. 1

10. FIELD OR WILDCAT NAME Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
S.13, T.36S., R.25E., SLB&M

12. COUNTY OR PARISH San Juan

13. STATE Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6097' GR.

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

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

8-5/8" Casing from the tie back will be cemented thru a Halliburton DV Collar to the surface.

APPROVED BY THE COMMISSION OF  
OIL, GAS, AND MINING

DATE: 7-2-80

BY: M.J. [Signature]

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

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

SIGNED [Signature] TITLE Div. Engr. DATE 6/17/80

(This space for Federal or State office use)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well  gas well  other

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P.O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
1910' FNL, 1910' FEL, S.13,T.36S.,  
AT SURFACE: R.25E., SLB&M  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: 5832'

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>

(other) Delete Salt Water disposal well sentence.

5. LEASE  
Federal Lease U-40052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
Federal Connelly

9. WELL NO.  
1

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
S.13, T.36S., R.25E., SLB&M

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6097' GR

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

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

Propose to re-enter well to test for possibility of commercial production of oil/gas in the Upper Ismay Formation.

RECEIVED  
JUN 18 1980

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

18. I hereby certify that the foregoing is true and correct  
DIVISION OF OIL, GAS & MINING Div. Engr.  
SIGNED For W. Head TITLE \_\_\_\_\_ DATE 6/16/80

(This space for Federal or State office use)

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

DIVISION OF OIL, GAS AND MINING

RE-ENTRY

SPUDDING INFORMATION

NAME OF COMPANY: Wexpro Company

WELL NAME: Federal Connelly #1

SECTION 13 SW NE TOWNSHIP 36S RANGE 25E COUNTY San Juan

DRILLING CONTRACTOR Loffland Brothers

RIG # \_\_\_\_\_

SPUDED: DATE 6.25.80

TIME \_\_\_\_\_

HOW \_\_\_\_\_

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Paul Zubatch

TELEPHONE # 307-362-5611

DATE June 26, 1980

SIGNED *M. J. M.*

cc: USGS

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. oil well  gas well  other

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: SW NE 1910' FNL, 1910' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Supplementary History</u>	<u>X</u>

5. LEASE  
U-40052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-

7. UNIT AGREEMENT NAME  
-

8. FARM OR LEASE NAME  
Federal Connelly

9. WELL NO.  
1

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
13-36S-25E., SLB&M

12. COUNTY OR PARISH San Juan 13. STATE Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
GR 6097' KB 6118.80'

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

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

TD 5924', PBD 5875', rig released 7-23-80.  
Spudded June 25, 1980, landed 8-5/8", 24#, K-55, 8rd thd, ST&C casing at 902.28', set casing patch top seal with 10,000# compression, bottom seals with 6,000# tension, set with 250 sacks regular B cement, cement in place at 11:35 p.m. on June 30, 1980; landed 5 1/2", 17#, K-55, 8rd thd, LT&C casing at 5924' KBM, set with 450 sacks salt saturated 50-50 Pozmix cement, cement in place at 11:00 p.m. on July 6, 1980, rig released July 7, 1980.  
Moved in work over rig on 7-16-80, perforated 5562-5568' with 2 holes per foot, made PDST #1, applied 2000 gallons 15% HCL, swabbed 90 barrels water with slight gas blow after each run, landed 2-7/8" tubing at 5767.45', rig released July 23, 1980.  
PDST #1: 5562-5568', Dakota, IO 4 hours, SI 15 hours, opened weak, no gas, recovered 10' water, IHP 2330, FP's 54-27, SIP 1598, FHP 2330.

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

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

SIGNED A. J. Mauer TITLE Drilling Supt. DATE August 1, 1980

(This space for Federal or State office use)

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

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. oil well  gas well  other

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: SW NE 1910' FNL, 1910' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
U-40052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-

7. UNIT AGREEMENT NAME  
-

8. FARM OR LEASE NAME  
Federal Connelly

9. WELL NO.  
1

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
13-36S-25E., SLB&M

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

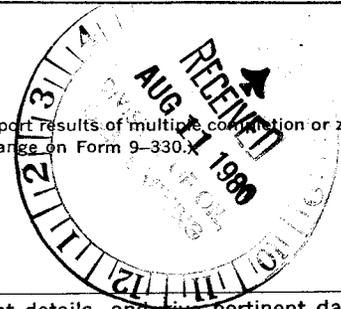
14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
GR 6097' KB 6118.80'

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)		Supplementary History	<input checked="" type="checkbox"/>

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



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

TD 5924', PBD 5875', rig released 7-23-80.  
Spudded June 25, 1980, landed 8-5/8", 24#, K-55, 8rd thd, ST&C casing at 902.28', set casing patch top seal with 10,000# compression, bottom seals with 6,000# tension, set with 250 sacks regular B cement, cement in place at 11:35 p.m. on June 30, 1980; landed 5 1/2", 17#, K-55, 8rd thd, LT&C casing at 5924' KBM, set with 450 sacks salt saturated 50-50 Pozmix cement, cement in place at 11:00 p.m. on July 6, 1980, rig released July 7, 1980.  
Moved in work over rig on 7-16-80, perforated 5562-5568' with 2 holes per foot, made PDST #1, applied 2000 gallons 15% HCL, swabbed 270 barrels water of which 90 barrels were acid water, slight gas blow after each run, landed 2-7/8" tubing at 5767.45', rig released July 23, 1980.  
PDST #1: 5562-5568', Dakota, IO 4 hours, SI 15 hours, opened weak, no gas, recovered 10' water, IHP 2330, FP's 54-27, SIP 1598, FHP 2330.

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

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

SIGNED A. J. Maves TITLE Drilling Supt. DATE August 6, 1980

(This space for Federal or State office use)

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

CORRECTED COPY

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

5. LEASE DESIGNATION AND SERIAL NO.  
U - 40052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-

7. UNIT AGREEMENT NAME  
-

8. FARM OR LEASE NAME  
Connelly Federal

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
13-36S-25E., SLB&M

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other Water disposal

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface SW NE 1910' FNL, 1910' FEL  
At top prod. interval reported below  
At total depth

14. PERMIT NO. 43-037-30064 | DATE ISSUED 9-13-71

12. COUNTY OR PARISH San Juan | 13. STATE Utah

15. DATE SPUDDED 6-25-80 | 16. DATE T.D. REACHED 7-4-80 | 17. DATE COMPL. (Ready to prod.) 7-23-80 | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* KB 6118.80' GR 6097' | 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 5924 | 21. PLUG, BACK T.D., MD & TVD 5875 | 22. IF MULTIPLE COMPL., HOW MANY\* - | 23. INTERVALS DRILLED BY - | ROTARY TOOLS 0-5924 | CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
None - Convert to water disposal well

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
GEL

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
8-5/8	24	902.28	10-3/4	250	0
5-1/2	17	5,924.00	7-7/8	450	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	5767.45	

31. PERFORATION RECORD (Interval, size and number)  
5562-5568', jet, 2 holes per foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5562-5568	2000 gals 15% HCL

33.\* PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) \_\_\_\_\_ TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
Logs as above

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

SIGNED Thomas LaSoy TITLE Director, Petroleum Engrg DATE June 4, 1981

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

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. oil well  gas well  other Salt water disposal

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: SW NE 1910' FNL, 1910' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Convert to Salt Water Disposal</u>		

5. LEASE  
U-40052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-

7. UNIT AGREEMENT NAME  
-

8. FARM OR LEASE NAME  
Federal Connelly

9. WELL NO.  
1

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
13-36S-25E., SLB&M

12. COUNTY OR PARISH | 13. STATE  
San Juan | Utah

14. API NO.  
-

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
GR 6097' KB 6118.80'

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

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

TD 5924', PBD 5875', perforations 5562-5568'.

We would like to convert the subject well to a salt water disposal well by pulling the 2-7/8" tubing, set a packer at 5520' ±, run 3-1/2" tubing, perforate 5569-5578' with 2 holes per foot, apply 5000 gallons 15% SXA-1 crosslinked acid, swab spent acid and release the work over rig.

In the event the Lower Ismay will not take water at sufficient rates we will recomplete in the Desert Creek formation.

The above procedure has been approved by the State of Utah Department of Natural Resources.

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

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

SIGNED [Signature] TITLE Asst Drlg Supt DATE June 4, 1981

(This space for Federal or State office use)

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

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**

DATE: 7/31/81  
BY: [Signature]

\*See Instructions on Reverse Side

JUN 3 1981  
DIVISION OF  
OIL, GAS & MINING

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <u>Salt Water Disp.</u>		5. LEASE DESIGNATION AND SERIAL NO. <u>U - 40052</u>
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <u>Re-enter</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -
2. NAME OF OPERATOR <u>Wexpro Company</u>		7. UNIT AGREEMENT NAME -
3. ADDRESS OF OPERATOR <u>P. O. Box 1129, Rock Springs, Wyoming 82901</u>		8. FARM OR LEASE NAME <u>Federal Connelly</u>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <u>SW NE 1910' FNL, 1910' FEL</u> At top prod. interval reported below At total depth		9. WELL NO. <u>1</u>
14. PERMIT NO. <u>AP #: 43-037-30064</u>		10. FIELD AND POOL, OR WILDCAT <u>Bug Area</u>
DATE ISSUED <u>-</u>		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <u>13-36S-25E., SLB&amp;M</u>

12. COUNTY OR PARISH <u>San Juan</u>	13. STATE <u>Utah</u>				
15. DATE SPUDDED <u>6-25-80</u>	16. DATE T.D. REACHED <u>7-5-80</u>	17. DATE COMPL. (Ready to prod.) <u>10-1-81</u>	18. ELEVATIONS (DF, REB, RT, GR, ETC.)* <u>KB 6118.80' GR 6097'</u>	19. ELEV. CASINGHEAD <u>-</u>	
20. TOTAL DEPTH, MD & TVD <u>5924</u>	21. PLUG, BACK T.D., MD & TVD <u>5875</u>	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY <u>→</u>	ROTARY TOOLS <u>0-5924</u>	CABLE TOOLS <u>-</u>
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <u>5562-5578', Upper Ismay</u>				25. WAS DIRECTIONAL SURVEY MADE <u>No</u>	
26. TYPE ELECTRIC AND OTHER LOGS RUN <u>Previously submitted</u>				27. WAS WELL CORED <u>No</u>	

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>8-5/8</u>	<u>24</u>	<u>902.28</u>	<u>12-1/4</u>	<u>250</u>	<u>0</u>
<u>5-1/2</u>	<u>17</u>	<u>5924.00</u>	<u>7-7/8</u>	<u>450</u>	<u>0</u>

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					<u>3-1/2</u>	<u>5458</u>	<u>5450</u>

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>5562-5568'</u>	<u>jet, 2 holes per foot</u>	<u>5562-5568</u>	<u>2000 gals 15% HCL</u>
<u>5569-5578'</u>	<u>jet, 2 holes per foot</u>		

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		<u>Salt Water Disposal</u>					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

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

35. LIST OF ATTACHMENTS

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

SIGNED James C. ... TITLE Director, Petroleum Engrg DATE 11-16-81

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

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. oil well  gas well  other Salt Water Disposal

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: SW NE 1910' FNL, 1910' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Salt Water Disposal</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

5. LEASE  
U - 40052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-

7. UNIT AGREEMENT NAME  
-

8. FARM OR LEASE NAME  
Federal Connelly

9. WELL NO.  
1

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
13-36S-25E., SLB&M

12. COUNTY OR PARISH | 13. STATE  
San Juan | Utah

14. API NO.  
43-037-30064

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
KB 6118.80' GR 6097'

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

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

TD 5924', PBD 5875', perforations 5562-5568'.

Rigged up work over unit, perforated from 5569' to 5578' with 2 holes per foot, landed 3-1/2" tubing at 5458', released rig.

NOV 19 1981  
DIVISION OF  
OIL, GAS & MINING

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

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

SIGNED P. A. B. Bratherton TITLE Sr. Petr. Engr DATE 11-16-81

(This space for Federal or State office use)

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

FORM OGC-8-X

FILE IN QUADRUPLICATE

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

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Federal-Connelly No. 1  
Operator Amerada Hess Corporation P. O. Box 2040 AC 918  
Address Tulsa, Oklahoma 74102 Phone 584-5554  
Contractor Mesa Drillers P. O. Box 108  
Address Lubbock, Texas 79408 Phone \_\_\_\_\_  
Location - 1/4 - 1/4 Sec. 13 T. 36 R. 25 E. San Juan County, Utah

Water Sands: NONE

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

(Continue on reverse side if necessary)

Formation Tops:

Remarks:

- NOTE:
- (a) Upon diminishing supply 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 form).
  - (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

X

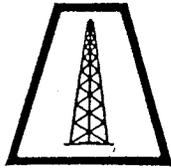
**Speed Message**To (File Only)Date November 1, 1981From Michael T. MinderSubject Re: Conversion of Wexpro's Federal Connelly #1 well to salt water disposal.

On November 20, 1981, Mr. James Baird and another staff engineer met in this office seeking approval to dispose of salt water into the Desert Creek Formation since the Ismay Formation is tight. The order in cause no. WD-101 provided for injection into upper Ismay and Desert Creek Formations thus verbal approval was given.

Signed



-K1 WFO Copy



# WEXPRO COMPANY

141 EAST FIRST SOUTH • P.O. BOX 11070 • SALT LAKE CITY, UTAH 84147 • PHONE (801) 532-6207

December 23, 1981

State of Utah  
Department of Natural Resources  
Division of Oil, Gas, and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Attention: Cleon B. Feight, Director

Dear Sir:

Re: Cause WD-101  
Salt Water Disposal Well  
Bug Field  
San Juan County, Utah

At its April 30, 1981 meeting, the Board of Oil, Gas, and Mining approved an order allowing Wexpro Company to dispose of produced water from the Bug Field by underground injection. The Connelly Federal Well No. 1 was designated as the disposal well.

As specified in the Board's order, the Upper Ismay formation was initially used as the disposal zone. Injection began November 11, 1981. However the Upper Ismay has proved tight; causing high injection pressures and low injection rates. An acid job of 5000 gallons of 20 percent HCl did not help to lower pressures or to increase rates. The attached sheet details daily wellhead pressures and injection volumes.

In order to meet the Bug Field's water disposal needs, Wexpro believes the Desert Creek formation from 5838 feet KBM to 5856 feet KBM should now be perforated and used as an additional disposal zone. This additional zone was requested and approved by the Board at the April 30, 1981 hearing.

Wexpro Company wishes to perforate the above mentioned Desert Creek zone and seeks the division's written approval before doing so. We believe all the requirements for perforating have been met and all the necessary information has been previously

furnished to the Division. Wexpro Company requests you review the situation and approve our plans to perforate the Desert Creek.

Should you have any questions, please feel free to contact me at (801) 532-6207. I look forward to your early reply.

Sincerely,

Jeffrey L. Ingerson  
Senior Reservoir Engineer

Attachment

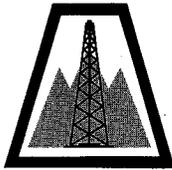
cc: Daniel G. Scott  
Grace Petroleum Corporation

CONNELLY FEDERAL NO. 1

SALT WATER DISPOSAL

BUG FIELD

<u>Date</u>	<u>Injection Pressure</u>	<u>Injection Volume</u>
November 11	2400	---
12	2450	200
13	2450	200
14	2450	215
15	2450	125
16	2450	150
17	2450	240
18	2450	200
19	2450	146
20	2450	123
21	2450	77
22	2450	80
23	2450	203
24	2450	63
25	2450	380
26	2800	351
27	2900	408
28	2950	398
29	2950	398
30	2950	398
December 1	3000	389
2	3000	376
3	3000	388
4	3050	388
5	3100	376
6	3100	436
7	3100	416
8	3100	416
9	3100	156
10	3100	357
11	3100	357
12	3200	15
13	3250	357
14	3000	297
15	3100	367
16	3100	34
17	3100	485
18	3100	486
19	3100	486
20	3050	486
21	3050	283



## WEXPRO COMPANY

141 EAST FIRST SOUTH • P.O. BOX 11070 • SALT LAKE CITY, UTAH 84147 • PHONE (801) 532-6207

December 23, 1981

State of Utah  
Department of Natural Resources  
Division of Oil, Gas, and Mining  
4241 State Office Building  
Salt Lake City, Utah 24114

Attention: Cleon B. Feight, Director

Dear Sir:

Re: Cause WD-101  
Salt Water Disposal Well  
Bug Field  
San Juan County, Utah

At its April 30, 1981 meeting, the Board of Oil, Gas, and Mining approved an order allowing Wexpro Company to dispose of produced water from the Bug Field by underground injection. The Connelly Federal Well No. 1 was designated as the disposal well.

As specified in the Board's order, the Upper Ismay formation was initially used as the disposal zone. Injection began November 11, 1981. However the Upper Ismay has proved tight; causing high injection pressures and low injection rates. An acid job of 5000 gallons of 20 percent HCl did not help to lower pressures or to increase rates. The attached sheet details daily wellhead pressures and injection volumes.

In order to meet the Bug Field's water disposal needs, Wexpro believes the Desert Creek formation from 5838 feet KBM to 5856 feet KBM should now be perforated and used as an additional disposal zone. This additional zone was requested and approved by the Board at the April 30, 1981 hearing.

Wexpro Company wishes to perforate the above mentioned Desert Creek zone and seeks the division's written approval before doing so. We believe all the requirements for perforating have been met and all the necessary information has been previously

furnished to the Division. Wexpro Company requests you review the situation and approve our plans to perforate the Desert Creek.

Should you have any questions, please feel free to contact me at (801) 532-6207. I look forward to your early reply.

Sincerely,



Jeffrey L. Ingerson  
Senior Reservoir Engineer

Attachment

cc: Daniel G. Scott  
Grace Petroleum Corporation

CONNELLY FEDERAL NO. 1

SALT WATER DISPOSAL

BUG FIELD

<u>Date</u>	<u>Injection Pressure</u>	<u>Injection Volume</u>
November 11	2400	---
12	2450	200
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22	2450	80
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24	2450	63
25	2450	380
26	2800	351
27	2900	408
28	2950	398
29	2950	398
30	2950	398
December 1	3000	389
2	3000	376
3	3000	388
4	3050	388
5	3100	376
6	3100	436
7	3100	416
8	3100	416
9	3100	156
10	3100	357
11	3100	357
12	3200	15
13	3250	357
14	3000	297
15	3100	367
16	3100	34
17	3100	485
18	3100	486
19	3100	486
20	3050	486
21	3050	283



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 8, 1982

Mr. Jeff Ingerson  
Wexpro Co.  
P.O. Box 10070  
Salt Lake City, UT 84147

Re: Federal Connely #1  
Sec. 13, T. 36S, R. 25E  
San Juan County, Utah

Dear Mr. Ingerson,

Insofar as this office is concerned, approval to dispose of salt water into the above mentioned well in the Deseret Creek formation is hereby granted as provided in the Order #WD-101.

I would like to apologize for the delay in notifying you of the approval, as Mr. Mike Minder is no longer with this Division and therefore an oversight was created. I will send you the pertinent forms relative to underground injection as soon as our printing office has completed them.

If you need further information, please do not hesitate to call or write.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script, reading 'Thalia R. Pratt'.

THALIA R. PRATT  
UIC SPECIALIST

## INTEROFFICE COMMUNICATION

FROM Greg Martin Farmington, New Mexico  
CITY STATE

TO Nick Thomaidis July 12, 1982  
DATE

SUBJECT Bug Field

Disposal of Produced Formation Waters  
 Wexpro Federal Connelly No. 1 well  
 SW NE, Sec. 13, T. 36 S., R. 25 E.  
 San Juan County, Utah

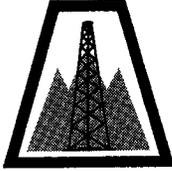
Grace Petroleum has requested terminating disposal of produced formation waters from the Bug Field into the lower Desert Creek porosity in the Wexpro Federal Connelly well. The request is rooted in the belief that the aforementioned water disposal will adversely affect ultimate oil recovery from the Bug No. 1 well (NE SE, Sec. 12, T. 36 S., R. 25 E.).

Following is a tabulation of six alternate disposal zones in the Connelly well which are listed in order of preference as submitted by Grace Petroleum.

<u>Depth</u>	<u>Formation</u>	<u>Lith.</u>	<u>Environment of Deposition</u>	<u>Sonic Log Porosity</u>
2210'-2286'	Chinle Shinarump Mbr.	Ss.	Fluvial	Variable 8-16%
3916'-3932'	Cutler	Ss.	Fluvial	16%
2960'-3000'	Cutler	Ss.	Fluvial	Variable 8-18%
3194'-3210'	Cutler	Ss.	Fluvial	11%
3550'-3560'	Cutler	Ss.	Fluvial	9%
3650'-3660'	Cutler	Ss.	Fluvial	18%

The Shinarump Sandstone is 50 to 100 feet thick in the Bug Field area and is clear, white, light gray to brown, fine to medium grained, angular to subangular, and exhibits poor to moderate sorting. Although deposited by fluvial processes, the unit covers a wide geographical area and is easily correlated throughout the Bug Field. The Shinarump Sandstone is water bearing in the field area and has water salinities in the neighborhood of 5000+ ppm NaCl.

The remaining five sandstones on the list occur in the Cutler Formation. The formation itself has a fairly wide geographical distribution, however, the fluvial sandstones within are generally quite limited in areal extent. The five Cutler sandstones listed above cannot be correlated within the Bug Field with a reasonable degree of geologic certainty. Generally speaking, the sandstones are quartzose, varicolored, fine to medium grained, angular to subangular, moderately to highly arkosic with poor to good sorting. The Cutler sandstones in this area are water bearing with measured salinities of 25,000+ ppm NaCl.



# WEXPRO COMPANY

79 SOUTH STATE STREET • P.O. BOX 11070 • SALT LAKE CITY, UTAH 84147 • PHONE (801) 530-2600

September 22, 1982

State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

RECEIVED  
SEP 28 1982

Attention: Cleon B. Feight, Director

DIVISION OF  
OIL, GAS & MINING

Dear Sir:

Re: Cause WD-101  
Salt Water Disposal Well  
Bug Field  
San Juan County, Utah

At its April 30, 1981 meeting, the Board of Oil, Gas and Mining approved an order allowing Wexpro Company to dispose of produced water from the Bug Field by underground injection. The Connelly Federal Well No. 1 was designated as the disposal well. This well is located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$  Section 13, T36S, R25E, San Juan County, Utah.

Initial disposal was in the Ismay Formation. However, the Ismay proved to be tight and high injection pressures were encountered. Approval to use the Desert Creek Formation was granted on January 8, 1982 by Thalia R. Pratt of your department. A copy of her letter is attached. Since January, Wexpro has been using the Desert Creek Formation as the disposal zone with much success. However, concerns from partners pertaining to possible increased water cuts in nearby wells has prompted Wexpro to investigate alternative zones in the Connelly well.

Attached is a listing of possible alternative zones in the Connelly Federal Well No. 1 which were suggested to Wexpro by its partners. We would appreciate your thoughts on the possibility of using any of these zones for salt water disposal.

Should you have any questions, please feel free to contact me at (801) 530-2653. I look forward to your early reply.

Sincerely,

Jeffrey L. Ingerson  
Senior Reservoir Engineer

Attachment

cc: J. L. Baird



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 24, 1982

Mr. Jeffery L. Ingerson  
Senior Reservoir Engineer  
Wexpro Company  
79 South State Street  
P.O. Box 11070  
Salt Lake City, Utah 84147

RE: Water Disposal  
Federal Connelly #1 Well  
Sec. 13, T. 36S, R. 25E  
San Juan County, Utah

Dear Mr. Ingerson:

In light of the new UIC regulations and the information provided by Wexpro, I suggest the deeper Cutler sands for injection.

According to EPA standards, any aquifer containing water with total dissolved solid levels below 10,000 mg/l is considered a possible underground source of drinking water (USDW). These aquifers can be used for injection but first must be exempt by hearing with concurrence from EPA. Since this will be a significant change to the approved injection well it will be necessary to publish for 15 days public notice before it can be administratively approved. Also water samples from the proposed injection zone will be necessary.

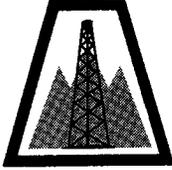
If one or more of the Cutler sands is desired for injection two points should be considered, confining strata, and volume due to limited areal extent. In this case the confining strata is important since the water to be disposed of, coming from the Hermosa Group, is probably of very poor quality. Also, adequate cement must exist above the injection zone. The cement bond log on file for this well shows poor cement bond above approximately 5000 feet.

If you have any questions, please call.

Sincerely,

GILBERT L. HUNT  
UIC GEOLOGIST

GLH/rb



# WEXPRO COMPANY

79 SOUTH STATE STREET • P.O. BOX 11070 • SALT LAKE CITY, UTAH 84147 • PHONE (801) 530-2600

October 1, 1982

State of Utah  
Department of Natural Resources  
Division of Oil, Gas, and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Attention: Cleon B. Feight, Director

Dear Sir:

Wexpro Company currently operates a salt water disposal well at its Bug Field, San Juan County, Utah, pursuant to Cause WD-101. The well is the Connelly Federal Well No. 1; SW $\frac{1}{4}$ NE $\frac{1}{4}$  Section 13, T36S, R25E.

Under Cause WD-101, Wexpro Company has been allowed to inject up to 800 barrels of produced water per day into the Ismay and Desert Creek Formations. Due to development drilling we expect this volume to exceed the 800 barrels per day limit in the near future. Although Wexpro is currently looking for other disposal sites, we would like administrative approval to increase the disposal volume to 2000 barrels of produced water per day.

After reviewing this request, should you have any questions, please contact me at (801) 530-2653. I look forward to your early reply.

Sincerely,

J. L. Ingerson  
Senior Reservoir Engineer

JLI:lh1

cc: J. L. Baird  
R. J. Gill, Jr.

**RECEIVED**  
OCT 05 1982

DIVISION OF  
OIL, GAS & MINING



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 15, 1982

Wexpro Company  
P.O. Box 11070  
79 South State  
Salt Lake City, Utah 84147

Attn: J.L. Ingerson

RE: Injection Rate Increase  
Connelly Federal #1  
Sec. 13, T36 S, R25 E.  
San Juan County, Utah

Dear Mr. Ingerson:

After reviewing your request for increasing the injection rate in the subject well, the Division has three basic concerns, these are listed below.

- 1) What maximum injection pressure is expected with the increased rate?
- 2) Will this increased volume effect the reserves or reservoir performance for the bordering leases.
- 3) Have lessees within 1/2 mile of this well been notified of the proposed increase?

Please address these concerns before the Director can proceed with administrative approval.

If you have any questions, please call.

Sincerely,

GILBERT L. HUNT  
UIC Geologist

GLH/rb

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well  gas well  other Salt Water Disposal

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: SW NE, 1910' FNL, 1910' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
U-40052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
Federal Connelly

9. WELL NO.  
1

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., OF BLM. AND SURVEY OR AREA  
13-36S-25E SLB&M

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

14. API NO.  
43-037-30064

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
GR 6097' KB 6118'

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

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>

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

(other) Conduct Tracer/Temp Survey to Establish Injection Profile

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

TD 5924', PBD 5875', Perforations: Ismay 5562-5578', Desert Creek 5842'

We are currently modeling the Desert Creek Reservoir in order to more accurately predict future field performance. To fit the Connelly injection profile, we must accurately determine the volume of injected water entering the Desert Creek fm.

We would like to conduct an electric wireline tracer/temperature survey to acquire the needed information. During the survey, a small amount of electrically conducting, radioactive fluid will be released downhole via the wireline. The fluid will be injected water at a known rate. The tracer will be monitored by gamma-ray detectors at the perforated intervals. An injection profile outlining the percentage of total fluid entering each perforated interval will be calculated. The total volume of fluid obtained.

We would also like to perforate the rest of the Desert Creek reservoir from 5842-5856' KBM. This is the lower portion of the Porosity Zone and is currently

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_  
injecting into and not an additional zone.

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

SIGNED Thomas M. ... TITLE Dir. Pet. Eng. DATE Feb 11 1973

(This space for Federal or State office use)

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

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 3/6/73  
BY: [Signature]



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

July 17, 1984

Wexpro Company  
795 State Street  
P.O. Box 11070  
Salt Lake City, Utah 84147

Gentlemen:

RE: CONNELLY FEDERAL #1 SWD - SECTION 13, R36S, T25E - SAN JUAN COUNTY, UTAH

During a recent field inspection of the above referenced injection well, an excessive amount of pressure was observed on the tubing-casing annulus. As this situation could indicate mechanical problems contrary to the operating requirements for Class II injection wells, please advise the Division of any circumstances which might indicate the source and cause of this pressure.

Your prompt reply is requested so that a determination might be made as to correcting this situation or initiating further pressure monitoring or testing requirements.

Sincerely,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script, appearing to read 'Gilbert L. Hunt'.

GILBERT L. HUNT  
UIC GEOLOGIST

GLH/mm

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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Salt Water Disposal Well</p> <p>2. NAME OF OPERATOR Celsius Energy Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 458, Rock Springs, Wyoming 82902</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  SW NE, 1910', FNL AIO' FEL</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. U-40052</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---</p> <p>7. UNIT AGREEMENT NAME ---</p> <p>8. FARM OR LEASE NAME Federal Connelly</p> <p>9. WELL NO. 1</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 13-36S-25E SLB&amp;M</p> <p>12. COUNTY OR PARISH San Juan</p> <p>13. STATE Utah</p>
<p>14. PERMIT NO. 43-037-30064</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 6097' KB 6119'</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 type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Annual Water Analysis</u> <input checked="" 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.)\*

Attached, please find a representative water analysis of the brine that is disposed of into the above captioned well. Should there be any questions concerning this, please advise.

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

SIGNED Thomas A. As TITLE Dir. of Petroleum Engineering DATE April 22, 1987

(This space for Federal or State office use)

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

31-MAR-87

# CORE LABORATORIES, INC. ANALYTICAL REPORT

LAB #: 870646-2

## WEXPRO COMPANY

WELL #: CONNELLY DISPOSAL  
COUNTY: STATE:  
FORMATION:  
DATE SAMPLED: 3-18-87

FIELD:  
LOCATION:  
INTERVAL:  
SAMPLE ORIGIN: BRINE SAMPLE FROM TANKAGE

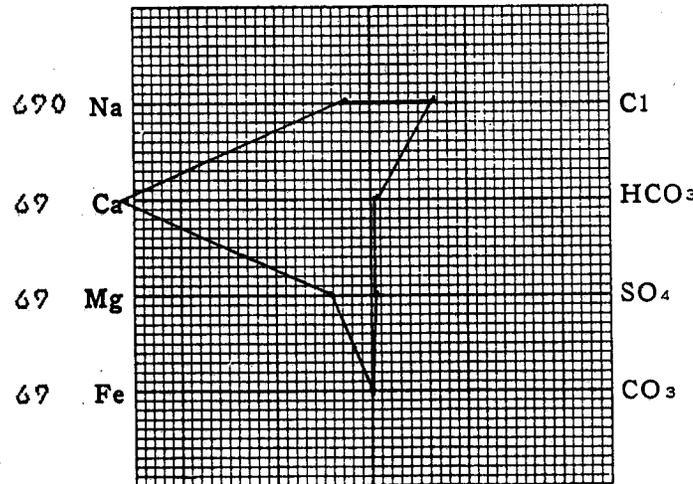
### REMARKS:

	MG/L	MEQ/L		MG/L	MEQ/L		MG/L
SODIUM	45100	1961.85	SULFATE	64	1.33	CALC. SODIUM	44692
POTASSIUM	3810	97.54	CHLORIDE	% 151000	4258.20	NACL EQUIVALENT	243342
CALCIUM	38400	1916.16	CARBONATE	0	0.00	CALC TDS* @356 F	242146
MAGNESIUM	3700	304.14	BICARBONATE	146	2.40	API TDS* @221 F	242220
			HYDROXIDE	0	0.00		
<b>TOTAL CATIONS</b>		<b>4279.69</b>	<b>TOTAL ANIONS</b>		<b>4261.93</b>	<b>* TOTAL DISSOLVED SOLIDS</b>	

SPECIFIC RESISTANCE AT 68F (OHM-CM):  
OBSERVED 0.05  
CALCULATED 0.03

OBSERVED PH 6.0

WATER ANALYSIS PATTERN  
Scale  
MEQ per Unit



(Na value in above graph includes Na and K)

NOTE: Mg/l = milligrams per liter  
Meq/l = milligram equivalent per liter

Sodium chloride equivalent =  
by Dunlap & Hawthorne  
calculation from components

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representation, as to the productivity, proper operations, or profitability of any oil, gas, coal or other mineral, property, well or sand in connection with which such report is used or relied upon.

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions  
verse side)

Form approved,  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

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  Salt Water Disposal

2. NAME OF OPERATOR  
Celsius Energy Company

3. ADDRESS OF OPERATOR  
P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
SW SE, 1910' FNL, 1910' FEL

14. PERMIT NO. 43-037-30064

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GR 6097' KB 6119'

5. LEASE DESIGNATION AND SERIAL NO.  
U-40052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal Connelly

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
13-36S-25E SLB&M

12. COUNTY OR PARISH  
San Juan

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 type="checkbox"/>
SHOOT OR ACIDIZE <input 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.)\*

The above captioned well is a disposal well that disposes of the brine that is produced from 4 different wells. These wells are:

- Bug Well No. 2 - Sec. 7, T. 36 S., R. 26 E.
- Bug Well No. 6 - NE SE, Sec. 7, T. 36 S., R. 26 E.
- Bug Well No. 9 - NE NE, Sec. 18, T. 36 S., R. 26 E.
- Bug Well No. 8 - NE SW, Sec. 8, T. 36 S., R. 26 E.

At the current time, only Bug Well No. 2 is producing. Bug Well No. 6 will be turned on this fall. Attached is a representative water analysis.

18. I hereby certify that the foregoing is true and correct  
SIGNED *Thomas M. ...* TITLE Director Pet. Eng. DATE 7-21-87

(This space for Federal or State office use)

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

RECEIVED

AUG 7 1987

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPE  
(Other instructions  
reverse side)

Form approved.  
Budget Bureau No. 1004-0133  
Expires August 31, 1985

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  Salt Water Disposal

2. NAME OF OPERATOR  
Celsius Energy Company

3. ADDRESS OF OPERATOR  
P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
SW SE, 1910' FNL, 1910' FEL

5. LEASE DESIGNATION AND SERIAL NO.  
U-40052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal Connelly

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
13-36S-25E SLB&M

12. COUNTY OR PARISH 13. STATE  
San Juan Utah

14. PERMIT NO. 43-037-30064

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GR 6097' KB 6119'

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 type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <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.)\*

The above captioned well is a disposal well that disposes of the brine that is produced from 4 diferent wells. These wells are:

- Bug Well No. 2 - Sec. 7, T. 36 S., R. 26 E.
- Bug Well No. 6 - NE SE, Sec. 7, T. 36 S., R. 26 E.
- Bug Well No. 9 - NE NE, Sec. 18, T. 36 S., R. 26 E.
- Bug Well No. 8 - NE SW, Sec. 8, T. 36 S., R. 26 E.

At the current time, only Bug Well No. 2 is producing. Bug Well No. 6 will be turned on this fall. Attached is a representative water analysis.

18. I hereby certify that the foregoing is true and correct  
SIGNED Thomas M. ... TITLE Director Pet. Eng. DATE 7-21-87

(This space for Federal or State office use)

APPROVED BY **NOTED** TITLE BRANCH OF FLUID MINERALS DATE AUG 27 1987  
CONDITIONS OF APPROVAL, IF ANY: MOAB DISTRICT

NOTED PUB 8/20/87

\*See Instructions on Reverse Side

RECEIVED

AUG 31 1987

DIVISION OF OIL  
GAS & MINING



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangarter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

December 5, 1988

Wexpro Company  
P.O. Box 11070  
Salt Lake City, Utah 84147  
Attention: Jeffrey Ingerson

Gentlemen:

Re: Connely Federal #1 Salt Water Disposal Well Located in Section 13,  
Township 36 South, Range 25E, SLM, San Juan County, Utah

On November 3, 1988 a field inspection was conducted at the above referenced injection well, an excessive amount of pressure was observed on the tubing-casing annulus. As this situation could indicate lack of mechanical integrity of the well, please advise the Division of any circumstances which might indicate the source and cause of this pressure.

Your prompt reply is requested so that a determination might be made as to correcting this situation. If you have any questions feel free to call me at (801) 538-5340.

Sincerely,

A handwritten signature in cursive script that reads "Dan Jarvis" with the year "88" written below it.

Daniel J. Jarvis  
Geologist  
Environmental/Geological Section

bd  
UI1/25

December 8, 1988

To: Memo to File

From: Dan Jarvis

On 12-7-88 Jeff Ingerson of Wexpro Company called in regards to the letter sent to them on 12-5-88. Jeff said that Wexpro was aware of the pressure on the casing - tubing annulus and that they would send the Division a Sundry notice with their intent to correct the situation

bd  
UI1/29

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

5. LEASE DESIGNATION AND SERIAL NO. U-40052
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Federal Connelly
9. WELL NO. 1
10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 13-T36S-R25E SL
12. COUNTY OR PARISH San Juan
13. STATE Utah

**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 Salt Water Disposal Well

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P. O. Box 11070 Salt Lake City, Utah 84147

4. LOCATION OF WELL (Report location clearly and in accordance with any See also space 17 below.)  
At surface  
SWSE 13, T36S, R25E  
1910' FNL, 1910' FEL

14. PERMIT NO.  
43-037-30064

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GR 6097', KB 6119'

**RECEIVED**  
DEC 21 1988

DIVISION OF  
OIL, GAS & MINING

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 type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(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.) \*

In reply to your letter of 12-5-88, Wexpro Company offers the following explanation concerning pressure on the tubing-casing annulus:

- \* Wexpro believes the pressure is a result of a leak (1) between the packer seals and the wellbore or (2) in the sealbore assembly.
- \* Field operators have periodically bled the annulus pressure down to 0 psig. However, the leak allows the tubing-casing annulus to repressure over time.
- \* The fact that the annulus pressure equalizes with the tubing pressure leads Wexpro to believe the mechanical integrity of the production casing is sound and that there is no current danger of damaging an USDW.
- \* Wexpro proposes to continue monitoring the annulus pressure for anomalies which may indicate lack of integrity with the production casing. At such a time when the well requires a workover rig, Wexpro will test the casing integrity and/or replace the packer/seal assembly.

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

SIGNED H.R. [Signature] TITLE District Manager DATE December 16, 1988

(This space for Federal or State office use)

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



State of Utah

File

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertor  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

January 10, 1989

Mr. A. R. Logan  
District Manager  
Wexpro Company  
P.O. Box 11070  
Salt Lake City, Utah 84147

Dear Mr. Logan:

Re: Federal Connelly No. 1 Disposal Well, Section 13,  
Township 36 South, Range 25 East, San Juan County, Utah

Pursuant to your Sundry Notice dated December 16, 1988, regarding the mechanical integrity of the referenced disposal well, the Division has reviewed the file and inspection history of the well.

The well file review indicates an absence of subsequent Sundry Notices such that the downhole arrangement including packer depth and perforations could not be determined. A Sundry Notice dated February 16, 1984, requested approval to run a tracer/temperature survey and perforate an additional portion of the Desert Creek zone. A subsequent Sundry Notice or other information was never received which would indicate what, if any, work was completed.

Division records also indicate that the mechanical integrity of this well has been questionable since July 1984. Continued monitoring of the annulus pressure for anomalies is not a valid method for assuring the mechanical integrity of this well.

We request that this well be repaired and pressure tested to verify mechanical integrity in accordance with Rule R615-5-5.3, of the Oil and Gas Conservation General Rules. This work should be completed within 60 days following receipt of this letter.

Page 2  
Wexpro Company  
January 10, 1989

Also, please provide an up-to-date wellbore diagram for this well showing the depths of cement tops and the downhole mechanical arrangement.

If the requests can not be met as outlined in this letter, please contact this office to negotiate any alternate plans.

Best regards,



Dianne R. Nielson  
Director

GLH/bld  
UI1/33-34

**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE  
(Indicate on which side)

Form approved.  
Budget Bureau No. 1004-013  
Expires August 31, 1985

**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  **Salt Water Disposal**

2. NAME OF OPERATOR  
**Wexpro Company**

3. ADDRESS OF OPERATOR  
**P. O. Box 458, Rock Springs, Wyoming 82902**

4. LOCATION OF WELL (Report location clearly and in accordance with State Regulations. See also space 17 below.)  
At surface  
**SW NE 1910' FNL, 1910' FEL**

14. PERMIT NO. **43-037-30064**

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**KB 6118.80' GR 6097'**

**RECEIVED**  
**JAN 20 1989**  
**DIVISION OF OIL, GAS & MINING**

5. LEASE DESIGNATION AND SERIAL NO.  
**U-40052**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
**Federal Connolly**

9. WELL NO.  
**1**

10. FIELD AND POOL OR WILDCAT  
**Bug Area**

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  
**13-36S-25E, SLB & M**

12. COUNTY OR PARISH  
**San Juan**

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 type="checkbox"/>
SHOOT OR ACIDIZE <input 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) <u>Supplemental History</u>	<input checked="" 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.)\*

Attached is a present status drawing which was requested by the State of Utah.

Additional perforations were added to the Desert Creek Formation in March, 1984. The perforations were 5842 - 5856 feet KBM. A Tracer Survey - Temp. profile was also conducted which indicated that 94-percent of the water was entering the Desert Creek perforations and 6-percent of the water was entering the Ismay perforations.

Wexpro is currently reviewing the feasibility of repairing the packer leak and will notify the State as to its intentions.

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

SIGNED *A.R. Deagan* TITLE District Manager DATE 1/18/89

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

*Handwritten mark*

Amerada Federal Connelly Well No. 1  
 Bug Area  
 SW NE Sec. 13, T. 36 S., R. 25 E.  
 San Juan County, Utah

Schematic-Not drawn to scale  
 Drilled by Wexpro Company July 1980

13-3/8" O.D. Surface Casing

13-3/8" O.D., 48# casing Net  
108.00

8-5/8" O.D. Intermediate Casing

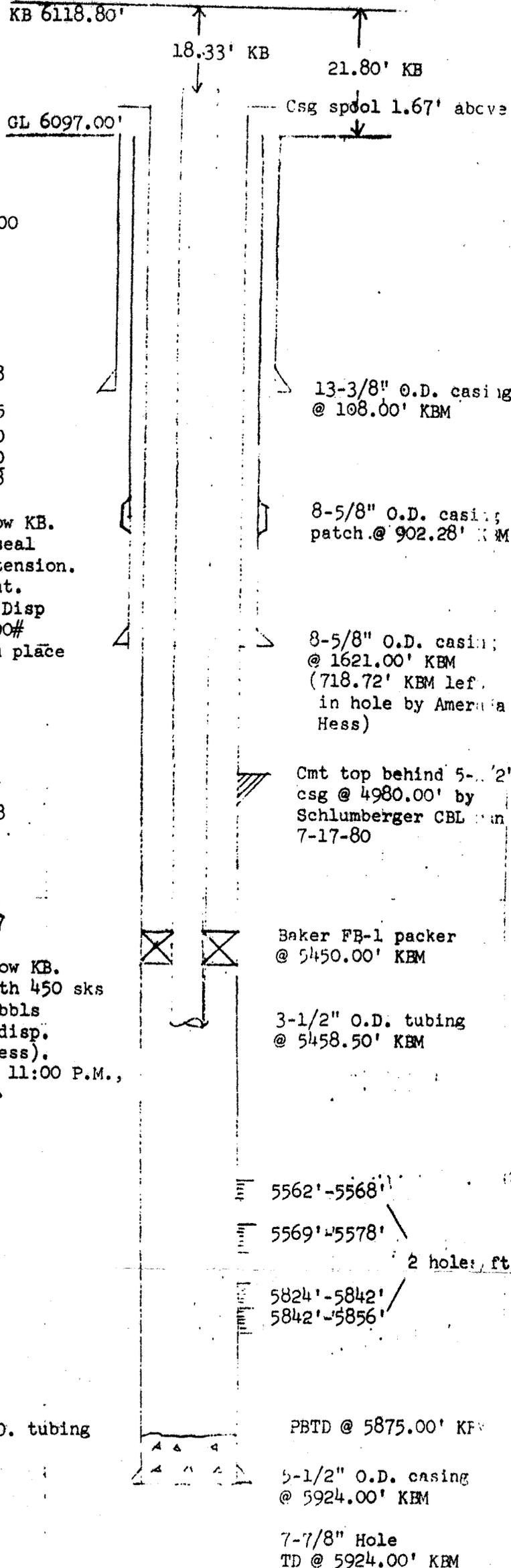
	<u>Net</u>
1 pc. 8-5/8" O.D., 24# K-55, 8 rd thrd, ST&C casing	32.63
21 jts. 8-5/8" O.D., 24# K-55, 8 rd thrd, ST&C casing	844.05
1 Howco stage collar	3.30
1 casing patch	0.50
<b>Total</b>	<u>880.48</u>

Above casing landed @ 902.28' KBM or 21.80' below KB.  
 Circ csg 1/2 hr w/rig pump. Set csg patch top seal w/10,000# compression and bottom seals w/6000# tension. Cmtd through DV tool w/250 sks Regular "B" cement. Good returns while circ, mixing, & displacing. Disp w/57 bbls drlg mud. Bumped plug to 2000 psi (500# over closing pressure). Tool held okay. Cmt in place @ 11:35 P.M., 6-30-80.

5-1/2" O.D. Production Casing

	<u>Net</u>
1 pc. 5-1/2" O.D., 17# K-55, 8 rd thrd, LT&C casing	9.01
139 jts. 5-1/2" O.D., 17# K-55, 8 rd thrd, LT&C casing	5,849.48
1 Howco circ diff fill float collar	1.75
1 jt. 5-1/2" O.D., 17# K-55, 8 rd thrd, LT&C casing	42.83
1 Howco guide shoe	0.80
<b>Total</b>	<u>5,903.87</u>

Above casing landed @ 5924.00' KBM or 20.13" below KB.  
 Circ csg 1/2 hr w/rig pump. Mixed & cemented with 450 sks salt saturated 50-50 Pozmix cement. Disp w/137 bbls fresh wtr. Had good rets while circ, mixing, & disp. Bumped plug to 2100 psi (500# over final pump press). Floating equipment held okay. Cement in place @ 11:00 P.M., 7-6-80. (Csg spool is 1.67' above ground level).



See attachment for details of packer & 3-1/2" O.D. tubing

Federal Connelly Well No. 1

Bug Field

After additional performing of March 7, 1984

Packer

	<u>Net</u>	<u>Gross</u>
1 Baker Model FB-1, Size 45-30, packer	2.50	2.50
1 Baker millout extension	6.00	6.21
1 - 4-1/2" BU by 3-1/2" seal lock changeover	0.80	1.08
1 - 3-1/2" O.D., 9.2#, J-55, seal lock pup joint	4.00	4.28
1 Baker Mdoel F, 2.31- <del>inch</del> seating nipple, 3-1/2" EUE	0.72	0.92
	<u>14.02</u>	<u>14.99</u>

Tubing Report

188 jts. 3-1/2" O.D., 9.2#, J-55, seal lock tubing (plastic coated)	5,414.25	5,466.89
1 - 3 1/2" seal lock pump seating nipple and coupling	0.75	1.03
1 jt. 3-1/2" O.D., 9.2#, J-55 seal lock tubing	29.50	29.78
1 Baker Model G locator sub and seal assembly	8.50	8.50
	<u>5,453.00</u>	<u>5,506.20</u>

Above tubing landed at ~~258.50~~ 18.33 feet KBM or 18.33 feet below KB in a NSCo. 10-inch by 6-inch 3000 psi tubing ~~pool~~ in 8000 pounds compression.

*big file  
route to R. Firth*



# WEXPRO COMPANY

P.O. BOX 458 • ROCK SPRINGS, WYOMING 82902 • PHONE (307) 382-9791

March 10, 1989

State of Utah  
Department of Natural Resources  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

**RECEIVED**  
MAR 13 1989

DIVISION OF  
OIL, GAS & MINING

Attn: Ms. Dianne R. Nielson

RE: Federal Connelly Well No. 1  
SWNE, Sec. 13, T36S, R25E  
San Juan County, Utah

Ms. Nielson:

This letter is in regard to your correspondence of January 10, 1989, requesting a Mechanical Integrity Test of the captioned well. Due to delays in receiving partner approvals, workover plan formulation and adverse road conditions, we have not performed the required pressure test. We have received the appropriate approvals and are ready to proceed with the required well work.

Today I talked with Mr. Ron Firth of your office regarding an extension to perform the integrity test. I advised Mr. Firth of our intention to commence work on March 15, 1989. This workover should be completed in three to five days, but should we experience problems, this time frame could be extended. I asked Mr. Firth for a two week extension to complete this job. He informed me the extension would be granted. After the completion of the integrity test, the applicable information will be forwarded to your office.

I would like to thank you and your staff for your assistance in this matter. Should you have questions, please contact me at (307) 382-9791.

Sincerely,

G. T. Nimmo  
DISTRICT MANAGER, WEST

GTN/dme

cc: R. E. Hogan  
C. J. Flansburg

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**

5. LEASE DESIGNATION AND SERIAL NO.

U-40052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal Connelly

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Bug Area

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA

13-36S-25E SLB&M

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

**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  Salt Water Disposal

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P. O. Box 458, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State laws and regulations.  
See also space 17 below.)  
At surface

SW NE 1910' FNL, 1910' FEL

**RECEIVED**  
MAR 24 1989

DIVISION OF  
OIL, GAS & MINING

14. PERMIT NO. 43-037-30064 15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 6118.80' GR 6097'

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(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.)\*

On March 15, 1989 a workover was performed on the above captioned well. The workover installed a 2 foot pup joint in the tubing string which allowed more weight to be set on the packer. The tubing - casing annulus was pressure tested on March 17, 1989 in the presence of Robert Maser of Celsius and a representative of the State of Utah, Division of Oil, Gas and Mining. The well was pressure tested to 2540 psi for thirty minutes. The test indicated casing integrity. The injection well was put in service following the workover.

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

SIGNED A.R. [Signature]

TITLE District Manager

DATE 3/21/89

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

7

2/89





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

DJJ  
July 5, 1994

Wexpro  
P.O. Box 458  
Rock Spring, Wyoming 82902

Re: Pressure Test for Mechanical Integrity, Federal Connelly #1, Injection Well, Sec. 13, T. 36 S., R. 25 E., San Juan County, Utah

Gentlemen:

The Underground Injection Control Program which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five year period beginning October, 1982. Our records indicate the above referenced wells are due for testing. Please make arrangements and ready the wells for testing during the week of August 1, 1994 as outlined below:

1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to assist in opening valves etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the wells to be tested on this date the tests may be rescheduled.

Page 2  
Pressure Test  
July 5, 1994

4. Company personnel should meet DOGM representatives at the field office or other location as negotiated.
5. All bradenhead valves with exception of the tubing on the injection wells must be shut in 24 hours prior to testing.

Please contact Dan Jarvis at (801)538-5340 to arrange a meeting time and place or negotiate a different date if this one is unacceptable.

Sincerely,



Gil Hunt  
UIC Program Manager

ldc  
Attachment  
WOI52

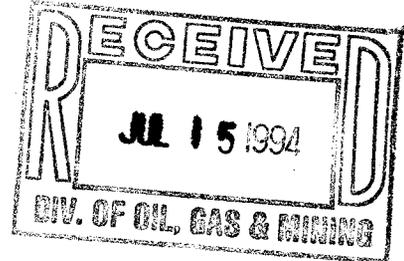


## CELSIUS ENERGY COMPANY

1331 Seventeenth Street #800 / Denver, Colorado 80202 / Phone (303) 296-8945 / Fax (303) 294-9632

July 13, 1994

STATE OF UTAH  
Department of Natural Resources  
355 West North Temple, Suite 350  
Salt Lake City, Utah 94180



Attn: Gil Hunt

RE: PRESSURE TEST FOR MECHANICAL INTEGRITY  
Federal Connelly #1 (Injection Well)  
T. 36 S., R. 25 E., SEC. 13 43-037-30064-WDW  
San Juan County, Utah

Gentlemen:

This letter will serve as follow-up to the telephone conversation of this date between Don Jarvis and myself, subject as above. Your letter of July 5, 1994 requested a mechanical integrity test (MIT) during the week of August 1, 1994. Since we no longer have a need for this well, we are in the process of preparing a procedure to plug and abandon the well. In light of the anticipated abandonment, Mr. Jarvis granted my request not to perform the MIT.

A Sundry Notice requesting approval for the plugging and abandonment of this well will be submitted in the next few weeks with the well work to follow as soon as we have received approval from the working interest owners.

If there are any questions, please feel free to contact me at the above letterhead address or (303) 296-8945.

Sincerely,

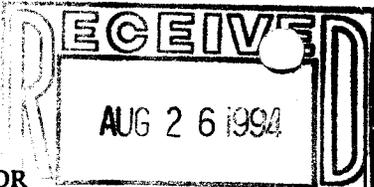
CELSIUS ENERGY COMPANY

L. J. GARNER  
District Manager

LJG/lc

cc: David E. Nelsen - Dove Creek  
Terry Nimmo - Rock Springs

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT **OF OIL, GAS & MINING**



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well    Gas Well    Other   **Salt Water Disposal**

2. Name of Operator  
**CELSIUS ENERGY COMPANY**

3. Address and Telephone No.  
**1331 17th Street, Suite 800, Denver, CO 80202 303-672-6914**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SWNE Section 13, T36S, R25E  
 1910' FNL and 1910' FEL**

5. Lease Designation and Serial No.  
**U-40052**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**Federal Connelly #1**

9. API Well No.  
**43-037-30064**

10. Field and Pool, or Exploratory Area  
**Bug Area**

11. County or Parish, State  
**San Juan, UT**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>P&amp;A</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. 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.)\*

Celsius Energy Company proposes to plug and abandon the above well as follows:

1. Load hole with 110 ppg mud and pull tubing.
2. Set cement retainer at 5425'. Squeeze perfs at 5856'-5824' and 5578'-5562' below the retainer with 80 sx CI-G (15.8 ppg, 1.15 ft<sup>3</sup>/sx), dump 10 sx on top of retainer.
3. Spot 20 sx CI-G plug inside 5-1/2" casing from 5030'-4930'.
4. Free point and cut off 5-1/2" casing at 4225' ±. LD casing. TIH with tubing to 4275'. Spot 30 sx CI-G plug from 4275'-4175'.
5. Spot 40 sx CI-G plug from 1671'-1571'.
6. Set 50' plug at surface with 15 sx CI-G cement.
7. Cut off casing. Install dry hole marker.
8. Reclaim location to BLM specifications.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

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

Signed [Signature] Title District Manager Date August 23, 1994

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Att: Gary Torres

801-587-2141 office

801-587-2564 fax

Drawn by GB 7-29-80  
 Revised by GB 1-19-82  
 Revised by GB 3-7-84  
 Lease # U-40052

Amerada Federal Connelly Well No. 1  
 Bug Area - Wexpro  
 SW NE Sec. 13, T. 36 S., R. 25 E.  
 San Juan County, Utah

Schematic-Not drawn to scale  
 Drilled by Wexpro Company July 1980

13-3/8" O.D. <sup>Conductor</sup> Surface Casing

13-3/8" O.D., 48# casing

8-5/8" O.D. <sup>Surface</sup> Intermediate Casing

1 pc. 8-5/8" O.D., 2 1/4#, K-55, 8 rd

thrd, ST&C casing

21 jts. 8-5/8" O.D., 2 1/4#, K-55, 8 rd

thrd, ST&C casing

1 Howco stage collar

1 casing patch

Total

Net  
108.00

Net

32.63

844.05

3.30

0.50

880.48

Above casing landed @ 902.28' KBM or 21.80' below KB.  
 Circ csg 1/2 hr w/rig pump. Set csg patch top seal  
 w/10,000# compression and bottom seals w/6000# tension.  
 Cmtd through DV tool w/250 sks Regular "B" cement.  
 Good returns while circ, mixing, & displacing. Disp  
 w/57 bbls drlg. mud. Bumped plug to 2000 psi (500#  
 over closing pressure). Tool held okay. Cmt in place  
 @ 11:35 P.M., 6-30-80.

5-1/2" O.D. Production Casing

1 pc. 5-1/2" O.D., 17#, K-55, 8 rd

thrd, LT&C casing

139 jts. 5-1/2" O.D., 17#, K-55, 8 rd

thrd, LT&C casing

1 Howco circ diff fill float collar

1 jt. 5-1/2" O.D., 17#, K-55, 8 rd

thrd, LT&C casing

1 Howco guide shoe

Total

Net

9.01

5,849.48

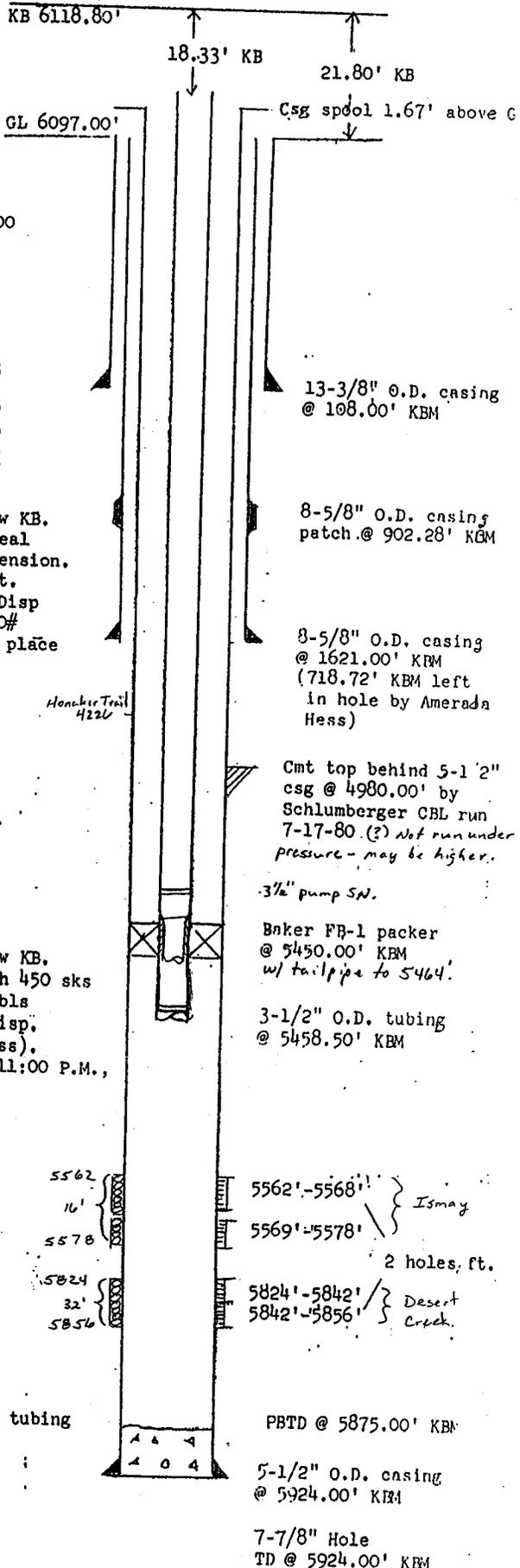
1.75

42.83

0.80

5,903.87

Above casing landed @ 5924.00' KBM or 20.13' below KB.  
 Circ csg 1/2 hr w/rig pump. Mixed & cemented with 450 sks  
 salt saturated 50-50 Pozmix cement. Disp w/137 bbls  
 fresh wtr. Had good rets while circ, mixing, & disp.  
 Bumped plug to 2100 psi (500# over final pump press).  
 Floating equipment held okay. Cement in place @ 11:00 P.M.,  
 7-6-80. (Csg spool is 1.67' above ground level).



See attachment for details of packer & 3-1/2" O.D. tubing

Packer Assembly:	Baker 5 1/2" FB-1 pkr	2.50'
	Millout extension	6.00'
	Cross-over	0.80
	3 1/2" pump joint	4.00
	2.31' E-nipple	0.70
		14.00'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See the instructions on reverse side)

Form approved,  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U - 40052

6. IF INDIAN ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

FEDERAL CONNELLY

9. WELL NO.

ONE (1)

10. FIELD AND POOL, OR WILDCAT

BUG AREA

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

13-T36S-R25E

12. COUNTY OR PARISH

SAN JUAN

13. STATE

UTAH

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other SWD

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  Other P&A

2. NAME OF OPERATOR  
CELSIUS ENERGY COMPANY

3. ADDRESS OF OPERATOR  
1331-17TH STREET, SUITE 300, DENVER, COLORADO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1,910' FNL; 1,910' FEL SW/4 NE/4  
At top prod. interval reported below  
At total depth

14. PERMIT NO. 43-037-30064 DATE ISSUED

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DP, RKB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. INTERVALS DRILLED BY 23. ROTARY TOOLS 24. CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

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

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

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	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

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
		<u>P&amp;A</u>					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY  
JEFF BROWN  
MONTICELLO BLM

35. LIST OF ATTACHMENTS  
SUNDRY AND WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED [Signature] TITLE PRODUCTION SUPERINTENDENT DATE 1/25/95

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

RECEIVED  
JAN 27 1995  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
DIV OF OIL, GAS & MINING

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**CELSIUS ENERGY COMPANY**

3. Address and Telephone No.

**1331 17th Street, Suite 800, Denver, CO 80202 303-672-6914**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SWNE Section 13, T36S, R25E  
1910' FNL and 1910' FEL**

5. Lease Designation and Serial No.  
**U-40052**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**NA**

8. Well Name and No.  
**Federal Connelly #1**

9. API Well No.  
**43-037-30064**

10. Field and Pool, or Exploratory Area  
**Bug Area**

11. County or Parish, State  
**San Juan, UT**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
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	<input checked="" type="checkbox"/> Other <u>P&amp;A</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. 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.)\*

Celsius Energy Company completed plugging and abandonment operations on the Federal Connelly #1 on 12/1/94 as follows:

- 1) Load hole with 11.3 ppg mud. Set cement retainer at 5420'.
- 2) Plug #1 @ 5856'-5334' with 90 sx CI-G + 0.06% D60 (fluid loss) + 0.03% D65 (retarder). Squeezed perfs (5856'-5824' and 5578'-5562') with 80 sx below the retainer (54 sx inside 5 1/2" casing and 26 sx thru the perfs), then spotted 10 sx on top of retainer. Cement mixed @ 15.8 ppg, 1.16 ft<sup>3</sup>/sx.
- 3) Plug #2 @ 5045'-4945' with 20 sx CI-G (15.8 ppg, 1.16 ft<sup>3</sup>/sx) inside 5 1/2" casing.
- 4) Ran free-point, casing free to 2200' +/- . Cut off 5 1/2" casing with a jet cutter at 2200'. Pull and recover 51 jts 5 1/2", 17#/ft, K55, LTC casing.
- 5) Plug #3 @ 2250'-2145' with 30 sx CI-G (15.8 ppg, 1.16 ft<sup>3</sup>/sx) + 3% CaCl<sub>2</sub>, spotted across 5 1/2" casing stub. WOC. Tag plug #3 at 2145' to verify placement at BLM's request.
- 6) Plug #4 @ 1675'-1575' with 50 sx CI-G (15.8 ppg, 1.16 ft<sup>3</sup>/sx), spotted across 8-5/8" casing shoe.
- 7) Plug #5 @ 50'-surface with 15 sx CI-G (15.8 ppg, 1.16 ft<sup>3</sup>/sx).
- 8) Cut off 13-3/8" and 8-5/8" casing at 3' below ground level. Weld plate on top of cut-offs at BLM's request. Backfill cellar.

Plugging operations were completed 12/1/94. Plugging was witnessed by Jeff Brown, BLM, Monticello, Utah.

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

Signed [Signature] Title District Manager Date December 18, 1994

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Attn: Gary Torres

801-587-2141 office

801-587-2564 fax

Drawn by GB 7-29-80  
 Revised by GB 1-19-82  
 Revised by GB 3-7-84  
 Lease # U-40052

Amerada Federal Connelly Well No. 1  
 Bug Area - Wexpro  
 SW NE Sec. 13, T. 36 S., R. 25 E.  
 San Juan County, Utah

Schematic-Not drawn to scale  
 Drilled by Wexpro Company July 1980

13-3/8" O.D. <sup>Conductor</sup> ~~Surface~~ Casing

13-3/8" O.D., 48# casing Net  
108.00

8-5/8" O.D. <sup>Surface</sup> ~~Intermediate~~ Casing

8-5/8" O.D., 2 1/4# casing Net

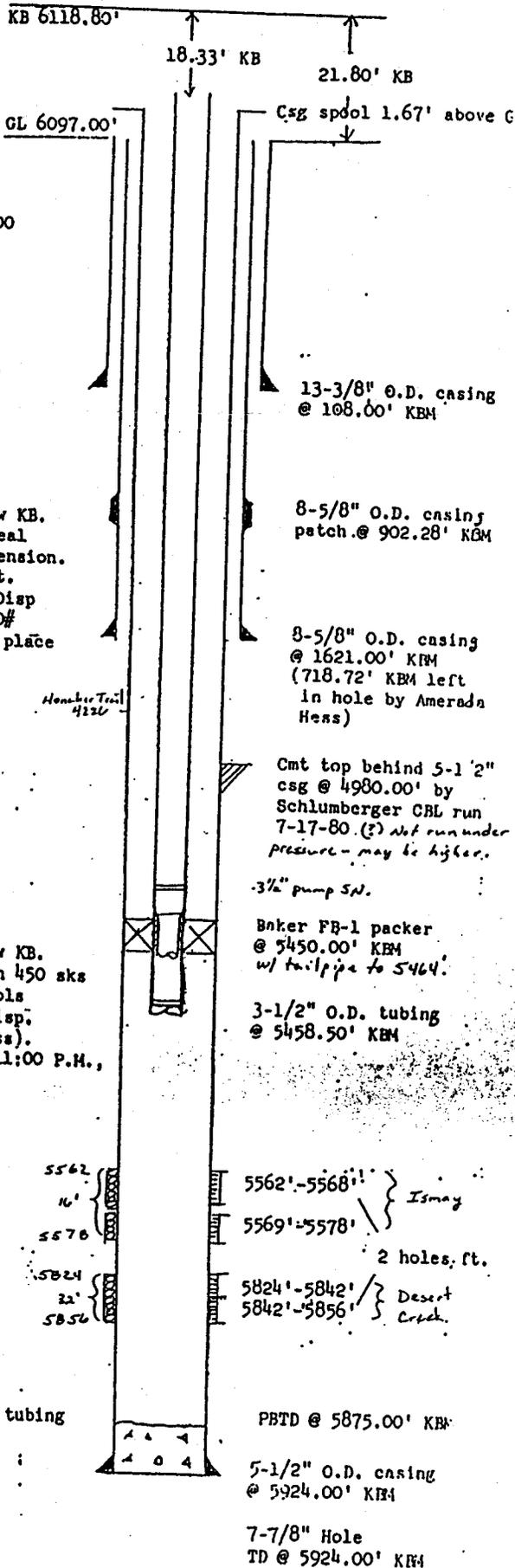
1 pc. 8-5/8" O.D., 2 1/4#, K-55, 8 rd	
thrd, ST&C casing	32.63
21 jts. 8-5/8" O.D., 2 1/4#, K-55, 8 rd	
thrd, ST&C casing	844.05
1 Howco stage collar	3.30
1 casing patch	0.50
Total	880.48

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 @ 11:35 P.M., 6-30-80.

5-1/2" O.D. Production Casing

1 pc. 5-1/2" O.D., 17#, K-55, 8 rd	
thrd, LT&C casing	9.01
139 jts. 5-1/2" O.D., 17#, K-55, 8 rd	
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1 Howco circ diff fill float collar	1.75
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 salt saturated 50-50 Pozmix cement. Disp w/137 bbls  
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 Bumped plug to 2100 psi (500# over final pump press).  
 Floating equipment held okay. Cement in place @ 11:00 P.H.,  
 7-6-80. (Csg spool is 1.67' above ground level).



See attachment for details of packer & 3-1/2" O.D. tubing

Packer Assembly:	Baker 5/2" FB-1 pkr	2.50'
	Milout extension	6.00'
	Cross-over	0.80
	3/4" pump joint	4.00
	2.31' E-nipple	0.70
		<u>14.00'</u>