

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

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

**COMPLETION DATA:**

Well Completed *6/30/79* .....

Location Inspected .....

*SIG* ✓ OS..... PA.....

State or Fee Land ...

**LOGS FILED**

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

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

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

Form approved.  
Budget Bureau No. 42-R1425.

**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  
 Continental Oil Company

3. ADDRESS OF OPERATOR  
 152 N. Durbin, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 1230' FSL, 1410' FEL (SW SE)  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 100'

16. NO. OF ACRES IN LEASE  
 320

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 N/A

19. PROPOSED DEPTH  
 7450'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4674' Ungraded Ground

22. APPROX. DATE WORK WILL START\*  
 June 5, 1979

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" O.D.	54.5#	60'	85 sacks
12 1/4"	9 5/8" O.D.	36#	500'	245 sacks
7 7/8"	5 1/2" O.D.	17#	7450'	1415 sacks

It is proposed to drill Conoco Duncan Federal 33 No. 8 as a Wasatch gas producer. There are no cores planned. A DST of the Lower Green River is anticipated. All appropriate logs will be run.

USGS (3); UOGCC (2); File

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

24. SIGNED J.C. Thompson TITLE Administrative Supervisor DATE April 27, 1979

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY (Orig. Sgd.) R. A. Henricks TITLE ACTING DISTRICT ENGINEER DATE JUN 05 1979  
 CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY NOTICE OF APPROVAL  
 \*See Instructions On Reverse Side

NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY (NTL-4)

State of W

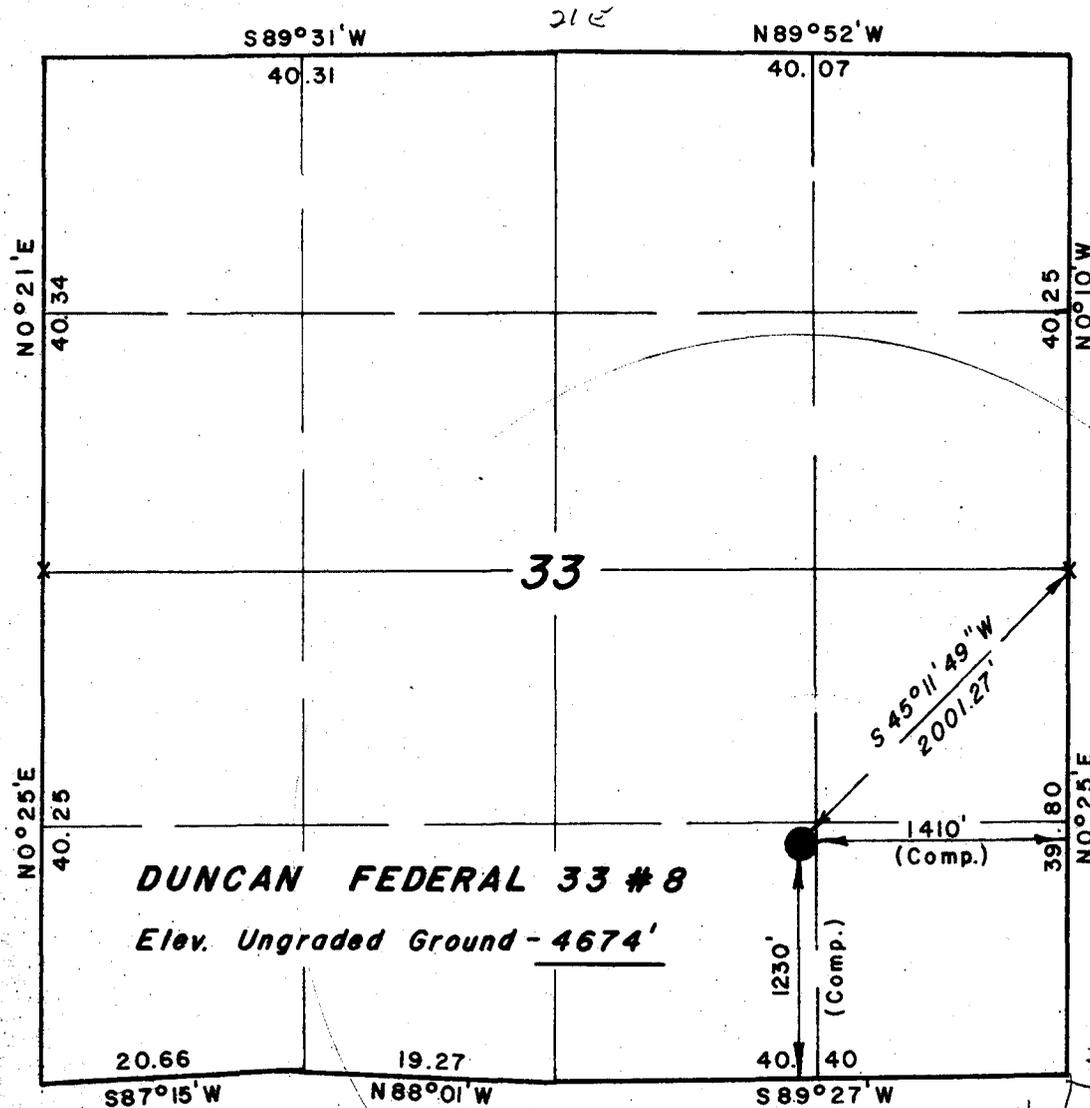
T8S, R21E, S.L.B. & M.

PROJECT  
CONTINENTAL OIL CO.

Well location, *DUNCAN FEDERAL 33#8*, located as shown in the SW1/4 SE 1/4 Section 33, T8S, R21E, S.L.B.&M. Uintah County, Utah.

NOTES:

Elev. Ref. Pt.	200'	N 17° 44' 49" W	4674.47'
"	"	"	4674.67'
"	"	S 72° 15' 11" W	4674.49'
"	"	"	4674.34'



CERTIFICATE

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

*Lawrence P. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 3137  
STATE OF UTAH

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

SCALE	1" = 1000'	DATE	4/20/79
PARTY	L.D.T. D.S. S.B.	REFERENCES	GLO Plat
WEATHER	Fair	FILE	CONOCO

X = Section Corners Located

653  
675

34  
4  
3  
60

Attachment to Form 9-331 C  
Conoco Duncan Federal 33 No. 8  
April 27, 1979

1. The geologic name of surface formation: Uintah
2. The estimated tops of important geologic markers:

<u>Formation</u>	<u>Drilled Depth</u>	<u>Subsea</u>
Green River		
Green River Marlstone	2111' KB	+2565'
"A" Sand	3446'	+1230'
"A-1" Sand	3651'	+1025'
"B" Sand	3691'	+985'
"C" Sand	4476'	+200'
"D" Sand	4876'	-200'
"E" Sand	5046'	-370'
Wasatch	5466'	-790'
T.D.	7450'	

3. It is anticipated to encounter an oil and water bearing zone in the Green River formation. A gas and water bearing zone is anticipated in the Wasatch formation. The depths of these formations are listed in (2) above.

4. Proposed Casing Program:

0-60' 13 3/8" O.D., 54.5#/ft., K-55, ST&C  
0-500' 9 5/8" O.D., 36#/ft., K-55, ST&C  
0-T.D. 5 1/2" O.D., 17#/ft., K-55, LT&C

- 5.. Specifications for Pressure Control:

Our minimum specification for pressure control equipment will be 3000 lbs. (Schematic attached).

6. Proposed Circulating Medium:

0-5300' Clear flocculated 2% KCL water inhibited with 300 pounds per gallon sodium bichromate. Mud weight will be maintained between 8.8 to 9.7 pounds per gallon.

5300'-T.D. Salt polymer mud system inhibited to 300 pounds per gallon sodium bichromate. Mud weight will be maintained between 9.3 to 10.0 pounds per gallon.

Sufficient circulating fluid will be mixed on location to fill hole volume plus excess of 200 barrels and sufficient weight to control bottom hole pressures.

7. Auxiliary Equipment:

We will use kelly cocks, floats at the bit, monitoring equipment on the mud system (if needed), a sub on the floor with full opening valve, and a blooie line.

8. Testing, Logging, Coring:

As mentioned in the permit to drill, no cores are planned. A DST of the Lower Green River is anticipated. The following logs will be run over the specified intervals:

- A. Dual Laterolog with Gamma Ray from surface pipe to T.D.
- B. Formation Density and Compensated Neutron log with Caliper. The Density-Neutron will be run over selected intervals of the Wasatch and Green River formations. The Caliper will be run from T.D. to the surface pipe.
- C. Borehole Compensated Acoustic Log over Wasatch and selected intervals of the Green River.

9. Formation and Completion Interval:

Sand lens of the Wasatch completion method: perforate the casing.

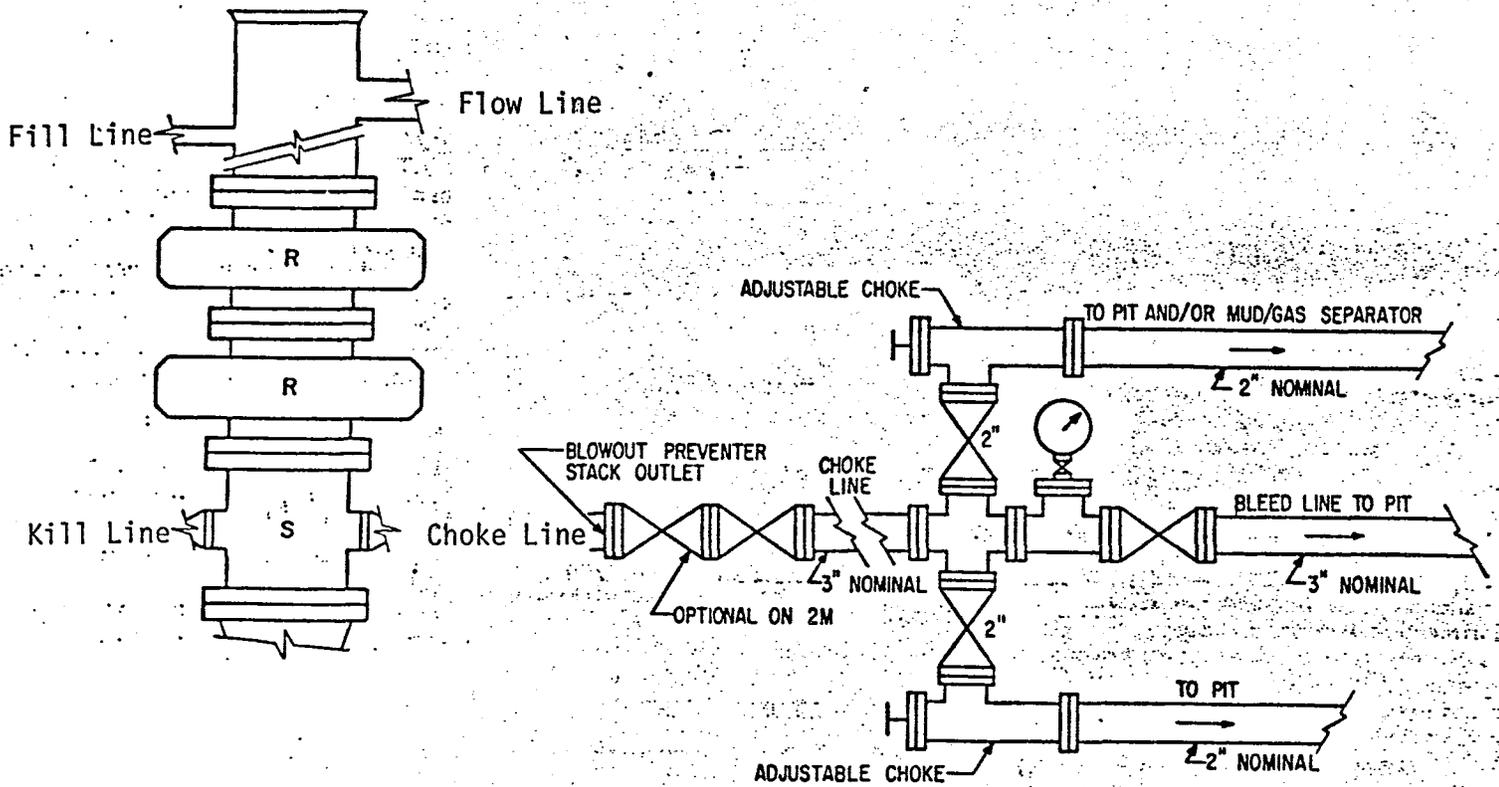
Sand fracturing: 150,000 gallons gelled water,  
250,000 pounds sand

10. Abnormal Pressures and Temperatures:

We do not anticipate any abnormal pressures or temperatures. BOP's will be used for control. Mud weight will be increased, if necessary, to insure adequate control.

11. Starting Date and Duration:

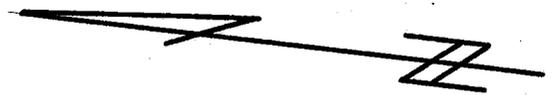
We plan to spud the well on June 5, 1979, and expect drilling operations to last 22 days.



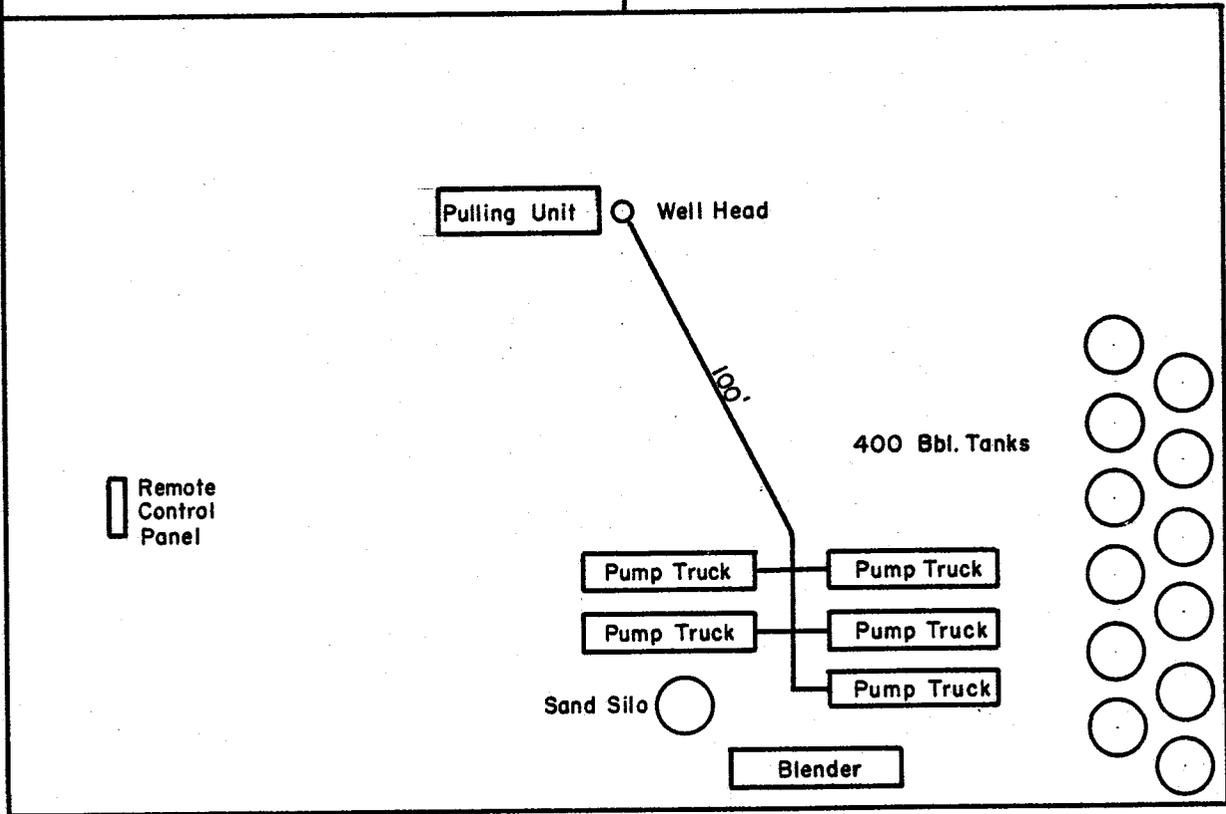
DOUBLE RAM TYPE PREVENTERS

Minimum BOP Stack	<u>3,000</u> psi Working Pressure
One Pipe Ram	
One Blind Ram	
Manifold	<u>3,000</u> psi Working Pressure
Well Head	<u>3,000</u> psi Working Pressure

OURAY  
33 N° 8



RESERVE PIT



United States Department of the Interior  
Geological Survey  
8440 Federal Building  
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No. 14-20-H62-3701

Operator Continental Oil Company

Well No. 8

Location 1230' FSL, 1410' FEL Sec. 33 T. 8S R. 21E

County Uintah State Utah Field Ouray-Wasatch

Status: Surface Ownership Tribal Minerals Indian

Joint Field Inspection Date 5-24-79

Participants and Organizations:

<u>Craig Hansen</u>	<u>USGS - Vernal</u>
<u>Greg Darlington</u>	<u>USGS - Vernal</u>
<u>Dale Hanberg</u>	<u>BIA - Ft. Duschesne</u>
<u>Warren Church</u>	<u>Continental Oil Company</u>
<u>Roy Steele</u>	<u>Dirt Contractor</u> <u>Don H. Steele &amp; Sons</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

Related Environmental Analyses and References:

- (1)
- (2)

→ Access road changed  
 Pac 250 x 350  
 Pix 150 x 200  
 4/10 mi 18' new access  
 Flowline not in  
 → Stockpile top soil  
 3.6 ac  
 → Arch. for ref.  
 → Min. for ref. Pg 6 & 7  
 (3) A.-S.

Analysis Prepared By:

Craig Hansen  
Environmental Scientist  
Vernal, Utah

&

Greg Darlington  
Environmental Scientist  
Vernal, Utah

Date: 5/25/79

Proposed Action:

On April 30, 1979, Continental Oil Company filed an Application for Permit to Drill the No. 8 development well, a 7450-foot oil and gas test of the Green River and Wasatch Formations; located at an elevation of 4674 ft. in the SW/4 SE/4 Section 33 T8S, R21E on Allotted Indian mineral lands and tribal surface; lease No. 14-20-H62-3701. There was no objection raised to the wellsite. As an objection was raised to the access road, it was changed. See attached map for new access road. Access road marked in red.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface plan are on file in the U.S.G.S. District Office in Salt Lake City, Utah and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City.

A working agreement has been reached with the BIA, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 250 ft. wide x 350 ft. long and a reserve pit 150 ft. x 200 ft. A new access road would be constructed 18 ft. wide x .4 mile long and an existing trail would be upgraded to 18 ft. wide by .8 mile long from a maintained road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad. If production is established, plans for a gas flow line would be submitted to the appropriate agencies for approval. The anticipated starting date is June 5 and duration of drilling activities would be about 22 days.

Location and Natural Setting:

The proposed drillsite is approximately 8 miles southeast of Ouray, the nearest town. A fair road runs to within 1.2 of the location. This well is in the Ouray-Wasatch field.

Topography:

The location is in an alluvial valley of the White River with eroded clay and sandstone buttes nearby. The padsite is relatively flat.

Geology:

The surface geology is Uintah. The soil is sandy clay. No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient radioactive and density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formations to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U. S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

#### Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and envroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access road per the recommendations of the Bureau of Land Management.

Approximately 3.6 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

#### Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to

dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gasses would not be anticipated.

#### Precipitation:

Annual rain fall should range from about 6" to 8" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 7".

Winds are medium and gusty, occurring predominately from west to east. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

#### Surface Water Hydrology:

The area on which the pad is to be located drains into the White River about .4 miles south of the site. The White River flows into the Green River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks and spills. The operator is required to report and clean-up all spills or leaks.

### Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basis information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depth of fresh water formations are listed in the 10-Point Subsurface Protection Plan. The pits would be lined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

### Vegetation:

Greasewood with some native grasses are present at the location.

Plants in the area are of the salt-desert-shrub type.

Proposed action would remove about 3.6 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The Operator proposes to rehabilitate the surface upon completion of operations.

### Wildlife:

The fauna of the area consists predominately of mule deer, antelope, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

No endangered plants or animals are known to inhabit the project area.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If an historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings and other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and are judged to be minor. All permanent facilities placed on the location should be painted a light sand color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to predrilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Uintah County. But should this well discover a significant new hydrocarbon source, local, State, and possibly National economies might be improved. In this instance, other development wells would be anticipated with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and U.S. Geological Survey's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national state, or local parks; forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the operations. A trash cage would be utilized for any solid wastes generated at the site and would be removed at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternatives to the Proposed Action:

(1) Not approving the proposed permit -- The oil and gas lease grants the Lessee exclusive right to drill for, mine, extract, remove, and dispose of all oil and gas deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under the U.S. Geological Survey and other controlling agencies' supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

(2) Minor relocation of the wellsite would not significantly reduce the environmental impact. There are no severe vegetative, animal, or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

(3) Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator. 

A. The change in access road is made as indicated to shorten the access distance and to lessen disturbance to the fenced area near the location.

B. A cattlegard should be placed at the fence on the access road and maintained in accordance with BIA specifications.

- C. A trash cage is used and all refuse is removed from the site at the completion of the drilling operations.
- D. The disturbances from a pipeline to bring water to the location is kept to a minimum.
- E. The depth of the reserve pit be no more than 4 feet below the existing ground surface.

Adverse Environmental Effects Which Cannot Be Avoided:

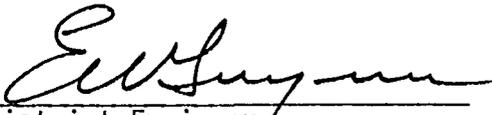
Surface disturbance and removal of vegetation from approximately 3.6 acres of land surface from the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil, or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for subsurface damage to fresh-water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the White River. The potential for pollution to the river would exist through leaks and spills.

Determination:

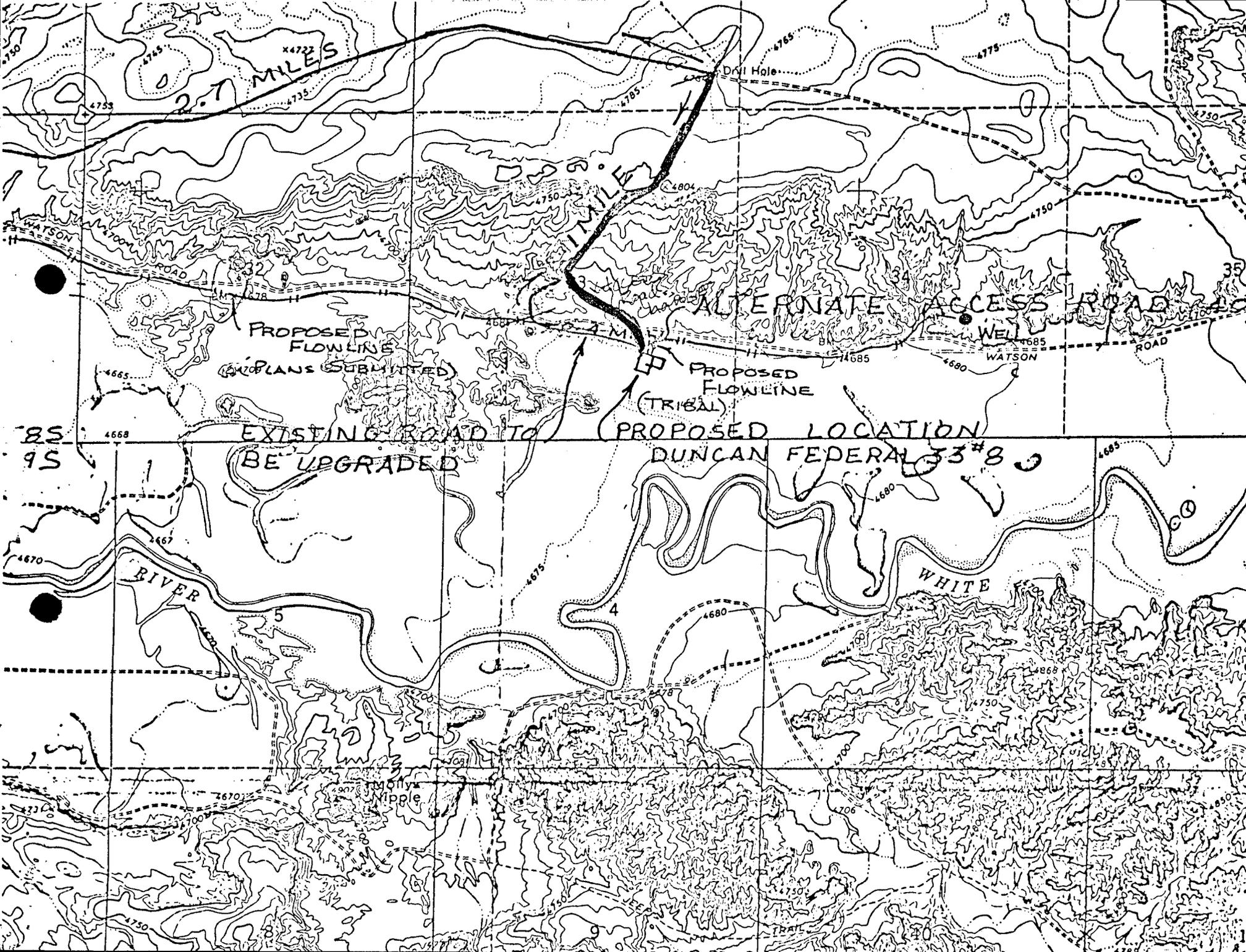
This requested action ~~does~~/does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2)(C).

Date

6/5/79

  
District Engineer  
U.S. Geological Survey  
Conservation Division  
Oil and Gas Operations  
Salt Lake City District





FROM: : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. 14-20-H62-3701

OPERATOR: CONTINENTAL OIL CO.

WELL NO. 8

LOCATION: 1/4 SW 1/4 SE 1/4 sec. 33, T. 8S, R. 21E, SLM

DINTAH County, Utah

1. Stratigraphy: Operators estimated tops seem reasonable.
2. Fresh Water: Useable water may be encountered near the surface of the Green River Fm.
3. Leasable Minerals:  
Oil Shale beds may be encountered in the Green River Fm at approximate depth 1700 feet.
4. Additional Logs Needed: Operators logs should run completely through the Green River Fm to identify the extent of the oil shale beds
5. Potential Geologic Hazards: none anticipated
6. References and Remarks: none

Signature: lmb

Date: 5-7-79

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  
 Continental Oil Company

3. ADDRESS OF OPERATOR  
 152 N. Durbin, Casper, Wyoming 82601

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 At proposed prod. zone

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24. SIGNED J.C. Thompson TITLE Administrative Supervisor DATE April 27, 1979

(This space for Federal or State office use)

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

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

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

\*\* FILE NOTATIONS \*\*

Date: May 2, 1979

Operator: Continental Oil Company

Well No: Duncan Federal 33-8

Location: Sec. 33 T. 8S R. 21E County: Uintah

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

✓ API Number: 43-047-30579

CHECKED BY:

Administrative Assistant: \_\_\_\_\_

Remarks:

Petroleum Engineer: M.J. Minder 5-7-79

Remarks:

Director: 7

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 173-2 App/79

Surface Casing Change   
to \_\_\_\_\_

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

O.K. Rule C-3

O.K. In \_\_\_\_\_ Unit

Other:

Letter Written/Approved

# 3



SCOTT M. MATHESON  
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH

CHARLES R. HENDERSON  
*Chairman*

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
*Director*

1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
CONSTANCE K. LUNDBERG  
EDWARD T. BECK  
E. STEELE McINTYRE

May 11, 1979

CONTINENTAL OIL COMPANY  
152 N DURBIN  
CASPER WY 82601

Re: Well No. Duncan Federal 33-8, Sec. 33, T. 8S, R. 21E, Uintah County, UT

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 173-2 dated April 25, 1979.

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

MICHAEL T. MINDER - Geological Engineer  
HOME: 876-3001  
OFFICE: 533-5771

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

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-30579.

Yours very truly,

DIVISION OF OIL, GAS, AND MINING

  
Cleon B. Feight, Director

/lw

cc:U. S. Geological Survey

Enclosure

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: CONTINENTAL OIL

WELL NAME: Duncan Federal 33-8

SECTION 33 TOWNSHIP 8S RANGE 21E COUNTY Uintah

DRILLING CONTRACTOR Chase

RIG # 1

SPUDDED: DATE June 13, 1979

TIME 9:00 a.m.

How dryhole

DRILLING WILL COMMENCE June 14, 79 (9:00 a.m.)

REPORTED BY Jim Maher

TELEPHONE # (307) 234-7311

DATE June 14, 1979

SIGNED *W. J. Minder*

cc: Ronald Joseph  
USGS



M. S. Fischer, Jr.  
Assistant Director - Minerals Taxes  
Excise Tax Division  
Tax Department

Continental Oil Company  
P.O. Box 1267  
Ponca City, Oklahoma 74601  
(405) 762-3456



Gentlemen:

On May 1, 1979, our stockholders voted that the corporate name would be changed from Continental Oil Company to Conoco Inc., effective July 1, 1979.

Please note that there were no alterations in the corporate structure of the company and that no other changes accompanied the name change.

If any further action is required on our part in reference to the tax reports we file with you, please advise us.

Very truly yours,

M. S. Fischer, Jr.

fr



Alex M. Yarsa  
Division Manager  
Production Department



Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
R8S, R21E

6-22-79: Pulling out of hole. Depth 5348' - sand and shale. Made 503'. 7 7/8" hole. Drilled to 5007'. Took survey. Drilling break 5217-5223'. Started mudding up at 5240'. Drilled to 5348'. Circulated bottoms up with 9.1#/gal. mud. Well flowed approx. 2 bbls. Increased mud wt. to 9.3#/gal. Circulated. Observed well. Dead. Background gas - max. 1500 units, min. 420 units. Connection gas - max. 2500 units, min. 800 units. Bit #4 - STC F-45 - 2541' to 5348'. 15 6 1/4" drill collars; WOB 40,000#; 60 RPM; drill pipe tool jts. and drill collar tool jts.: 4 1/2" X-H; 7 3/4" x 5 1/2" pump; 110 SPM; 256 GPM; PP 1400#; ann. vel. - 274 on drill collars and 151 on drill pipe; jet vel. 441; BHA - bit, 2 drill collars, stabilizer, and 13 drill collars. Surveys: 1 3/4° at 5007'; 1 1/2° at 5348'. Drlg. with brine-polymer - Wt. 9.3#; Vis. 31; WL 14 cc; FC 1/32; pH 10; chromates 350 ppm; chlorides 15,000 ppm; KCl 6400 ppm. Cum. mud cost: \$5781. Chase 8/0/0. Drilling Foreman: Gonzales.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
R8S, R21E

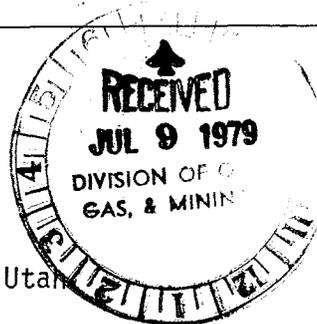
6-23-79: Drilling in sand and shale at 5822', made 474'. 7 7/8" hole. Type mud: KCL-Brine-Polymer, wt. 9.3#; vis. 31; W.L. 12.6. Cut 150' drill line. Laid down stab. Went in hole with Bit #5. Washed and reamed 40' to bottom. Drilled ahead to 5822'. Background gas - 15 units. Connection gas - 30 units.

6-24-79: Drilling in sand and shale at 6135', made 313'. 7 7/8" hole. Type mud: KCL-Brine-Polymer, wt. 9.3#; vis. 33; W.L. 6.0. Average background gas - 10 units. Connection gas - 30 units. While drilling 5720-5780', gas inc. from 40 to 140 units. Had drilling break 6020-6035', gas inc. to 350 units.

6-25-79: Drilling in sand and shale at 6379', made 244'. 7 7/8" hole. Bit #5 in hole. 15 6 1/4" drill collars; WOB 40,000#; RPM 60; 7 3/4" x 4 1/2" pump; SPM 136; GPM 217; PP 1100#; ann. vel.: DC 232 & DP 127; jet vel. 373. Drill pipe tool jts. and drill collar tool jts.: 4 1/2" X-H. BHA: Bit, 15 6 1/4" drill collars. Dev: 1 3/4 deg. at 6170'. Type mud: KCL-Brine-Polymer, wt. 9.3#; vis. 32; W.L. 10.2; F.C. 1/32; pH 9.0; gel strength ini./10 min. 0 /3; chlorides 80,000; KCl 600 ppm; % solids 2.4; % sand 1/4; PV 6; Yp 2. Drilled to 6170', surveyed. Drilled to 6316'. Installed new tailshaft chain in #1 pump. Drilled to 6379'. Background gas - max. 70 units at 6267'. Max. connection gas - 150 units. Cum. mud cost \$18,003. Chase 11/0/0. Drlg. Foreman: Gonzales.



Alex M. Yarsa  
Division Manager  
Production Department



Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

6-29-79: Drilling in sand and shale at 7332', made 261'. 7 7/8" hole. Bit #7 STC, F-3 in hole. 15 6 1/4" drill collars; WOB 40,000; 60 RPM; drill pipe tool jts. and drill collar tool jts.: 4 1/2" X-H; 7 3/4" x 4 1/2" pump; 135 SPM; 215 GPM; PP 1000#; ann. vel.: DC 230 & DP 126; jet vel. 371. BHA: bit and 15 drill collars. Type mud: KCL-Brine, wt. 9.4#; vis. 32; W.L. 26; F.C. 2; pH 10.5; chromates 400; KCL 5600; chlorides 40,000; gel strength ini./10 min. 3 / 6; % solids 5.5; % sand 1/2; PV 4; Yp 5. Drilled 7071' to 7332'. Connection gas - 150 units; avg. gas - 35 units.

7075')  
7089')  
7096') Drilling breaks  
7110')  
7124')

7226 to 7234' - 325 units gas.

Cum. mud cost \$26,489. Chase 15/0/0. Drig. Foreman: Gonzales.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

6-30-79: Logging. TD 7450' in sand and shale. Made 118'. 7 7/8" hole. Dev: 1 1/2 deg. at 7450'. Type mud: KCL-brine, wt. 9.3#; vis. 34; W.L. 9.2. Drilled 7332' to 7450' and circulated hole clean. POOH - SLM. Rigged up Dresser Atlas and ran Dual Laterolog w/GR from 7450' to 520'. Background gas - 45 to 15 units; avg. gas - 25 units; connection gas - 75 to 45 units; avg. connection gas - 50 units. 7340' to 7344' - 50 units gas.

7-1-79: Rigging up to run casing. Depth 7450'. Continued logging. Ran the following logs: Dual Laterolog w/GR, Compensated log, and BHC Acoustic log. Rigged down Dresser. Ran in hole to condition and encountered 15' fill. Circulated and conditioned. POOH laying down drill pipe. Net pay 44'.

7-2-79: Rigging down. Depth 7450', PBDT 7414'. Rigged up casing crews and ran 185 jts. 5 1/2", 17# J-55, LT&C to 7414'. Found collar at 7366', DV tool at 4994'. Circulated and rigged up BJ. Pumped 14 bbls. mud sweep and cemented with 600 sacks Class "G" plus 18% CaCl, with 0.4% "D31" and 0.2% "R-5". Slurry wt. 16.2#/gal. Displaced with 186 bbls. mud and no plug bump, with 8% excess. Floats held okay. Dropped bomb to open stage collar and bomb did not load. Rigged up sand line. Ran in hole and tagged bomb at 223'. Set casing slips with 100,000#. Nippled down BOP's and cleaned mud tanks. Released rig at 6:00 a.m. on 7-2-79. Cum. mud cost \$30,021. Chase 16/2/0. Drig. Foreman: Gonzales and Stuart.



Alex M. Yarsa  
Division Manager  
Production Department

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152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

OURAY FIELD

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

6-19-79: Drilling sand and shale at 3200'. Made 532'. 7 7/8" hole. Drilled to 2541'. Made trip for new bit. Drilled to 3041'. Took survey: 1 1/2°. Background gas - 800 to 1000 units. Trip gas - 1500-2000 units. Bit #3 - HTC J-44 - 1357' to 2541'. Bit #4 in hole. 15 6 1/4" drill collars; WOB 40,000#; 60 RPM; 5 1/2" x 7 3/4" pump; 120 SPM; 280 GPM; PP 1800#; ann. vel. - 299 on drill collars and 164 on drill pipe; jet vel. 401; BHA - bit and 15 6 1/4" drill collars. Drlg. with KCl water - Wt. 8.4#; chromate 300 ppm. Cum. mud cost: \$3942. Chase Drlg. 5/0/0. Drlg. Foreman: Lilienthal.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

6-20-79: Drilling sand and shale at 4075'. Made 875'. 7 7/8" hole. Drilled to 3538'. Took survey. Drilled to 4075'. Background gas - 1000 units, max. 1400 units. Connection gas - 2100 units. Bit #4 in hole. 15 6 1/4" drill collars; WOB 40,000#; 60 RPM; drill pipe tool jts. and drill collar tool jts.: 4 1/2" X-H; 5 1/2" x 7 3/4" pump; 110 SPM; 256 GPM; PP 1400#; ann. vel. - 274 on drill collars and 151 on drill pipe; jet vel. 441; BHA - bit, 2 drill collars, stabilizer, and 13 drill collars. Survey: 1 3/4° at 3538'. Drlg. with KCl water - Wt. 8.6#; Vis. 26; pH 9.5; KCl 3900 ppm; chlorides 3400 ppm; chromates 300 ppm. Cum. mud cost: \$4599. Chase 6/0/0. Drlg. Foreman: Gonzales.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

6-21-79: Drilling sand and shale at 4845'. Made 770'. 7 7/8" hole. Drilled to 4099'. Ran survey. Drilled to 4504'. Ran survey. Background gas = 800 to 1000 units. Connection gas = max. 2000 units. Bit #4 in hole. 15 6 1/4" drill collars; WOB 40,000#; 60 RPM; drill pipe tool jts. and drill collar tool jts.: 4 1/2" X-H; 7 3/4" x 5 1/2" pump; 110 SPM; 256 GPM; PP 1400#; ann. vel. 274 on drill collars and 151 on drill pipe; jet vel. 441; BHA - bit, 2 drill collars, stabilizer, and 13 drill collars. Surveys: 1 3/4° at 4099' and 4504'. KCl water - Wt. 8.4#; Vis. 26; pH 9.5; chlorides 4000 ppm; chromates 300 ppm. Cum. mud cost: \$4984. Chase Drlg. 7/0/0. Drlg. Foreman: Gonzales.



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Production Department

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152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
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## OURAY FIELD

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000

Location: 1230' FSL, 1410' FEL (SW SE) Sec. 33, T8S, R21E, Uintah Co., Utah  
AFE 12-61-1928. API Well No.: 43-047-30579. Fed. Lse. No. 14-20-H62-3701.  
Contractor: Chase Drlg. Mud supplier: Magcobar. GL Elev. 4674', KB 4688', RBM 14'.

6-15-79: Nippling up 9 5/8" surface casing. Depth 522' - sand, shale, and gravel. 12 1/4" hole. Spudded at 9 a.m. 6-14-79. Drilled to 522'. Conditioned hole and pulled out to run surface casing. Ran 13 jts. 9 5/8", 36#/ft., K-55, ST&C, 8-rd. casing with guide shoe on bottom at 522' and float collar at 476'. Used four centralizers. Cemented with 200 sacks "Fixatropic" cement with 12% "Calseal", 2% CaCl<sub>2</sub>, and 1/4# "Flocele"/sack plus 50 sacks Class "G" neat with 2% CaCl<sub>2</sub>. Displaced with water and bumped plug with 500 psi. Released pressure. Float held okay. Job complete at 9 p.m. 6-14-79. WOC 6 hrs. Cut casing and welded on head. Now nipping up BOP. Bit #1 in hole. 16 6 1/4" drill collars; WOB 0-20,000#; 100 RPM; drill pipe tool jts. and drill collar tool jts.: 4 1/2" X-H; pumps - 5 1/2" x 7 3/4" and 4 1/2" x 7 3/4"; 120 SPM; 479 GPM; PP 1200#; ann. vel. 105 on drill collars and 94 on drill pipe; jet vel. 420; BHA - bit and 16 drill collars. Survey: 1/4° at 522'. Drlg. with native gel - Wt. 8.5#; Vis. 60. Cum. mud cost: \$395. Chase 1/0/0. Drlg. Foreman: Lilienthal.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

6-16-79: Drilling sand and shale at 826'. Made 304'. 7 7/8" hole. Finished nipping up BOP and rotating head. Tested BOP and casing to 1000 psi; okay. Went in hole. Drilled plug, float collar, cement and guide shoe. Bit #2 in hole. BHA - bit, drill collar, stabilizer, and 14 drill collars. Drlg. with KCl water - Wt. 8.4#. Drlg. Foreman: Lilienthal.

6-17-79: Drilling sand and shale at 1952'. Made 1126'. 7 7/8" hole. Drilled to 1357'. Made trip for bit #3. Bit #2 - STC DT - 522' to 1357'. Bit #3 in hole. 15 6 1/4" drill collars; WOB 38,000#; 60 RPM; drill pipe tool jts.: 4 1/2" X-H; drill collar tool jts.: 4 1/2" X-H; BHA - bit, 2 drill collars, stabilizer, and 13 drill collars. Surveys: 3/4° at 1044', 1357', and 1859'. Drlg. with KCl water - Wt. 8.4#. Drlg. Foreman: Lilienthal.

6-18-79: Drilling sand and shale at 2468'. Made 516'. 7 7/8" hole. Drilled to 2354'. Took survey. Drilled to 2468'. Background gas 25 to 100 units. Trip gas 300 units. Bit #3 in hole. 15 6 1/4" drill collars; WOB 38,000-40,000#; 65 RPM; drill pipe tool jts. and drill collar tool jts.: 4 1/2" X-H; 5 1/2" x 7 3/4" pump; 120 SPM; 280 GPM; PP 1900#; ann. vel. - 299 on drill collars and 164 on drill pipe; jet vel. 610; BHA - bit, 2 drill collars, stabilizer, and 13 drill collars. Survey: 1 1/2° at 2354'. Drlg. with KCl water - Wt. 8.4#; chromates 300 ppm. Cum. mud cost: \$3451. Chase 4/0/0. Drlg. Foreman: Lilienthal.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, R8S, R21E

6-26-79: Drilling in sand and shale at 6578', made 199'. 7 7/8" hole. Bit #5 STC, F-3 from 5348' to 6450'. Bit #6 STC, F-3 in hole. 15 6 1/4" drill collars; 40,000# WOB; 70 RPM; drill pipe tool jts. and drill collar tool jts.: 4 1/2" X-H. 7 3/4" x 4 1/2" pump; 138 SPM; 220 GPM; PP 850#; ann. vel.: DC 235 & DP 129; jet vel. 379; BHA: bit & 15 drill collars. Dev: 1 1/2 deg. at 6450'. Type mud: KCL-brine-polymer, wt. 9.4#; vis. 36; W.L. 10; F.C. 2; pH 9.8; chlorides 70,000; chromates 250 ppm; gel strength ini./10 min. 3 / 11; KCl 9600; % solids 5.8; % sand 1/4; PV 7; Yp 8. Drilled 6379' to 6450'. Surveyed. POOH with #5 bit. Reamed 40' to bottom. Drilled 6450' to 6578'. Connection gas - 20 units. Connection gas avg. - 15 units. Background gas - 4 units. Trip gas - 1650 units. Cum. mud cost \$20,746. Chase 12/0/0. Drlg. Foreman: Gonzales.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, R8S, R21E

6-27-79: Drilling in sand and shale at 6795', made 207'. 7 7/8" hole. Bit #6 Sec. S86F from 6450' to 6611'. Bit #7 STC, F-3 in hole. 15 6 1/4" drill collars; WOB 40,000#; 60 RPM; drill pipe tool jts. and drill collar tool jts.: 4 1/2" X-H. 7 3/4" x 4 1/2" pump; 138 SPM; 220 GPM; PP 850#; ann. vel.: DC 235 & DP 129; jet vel. 379; BHA: bit and 15 drill collars; Dev.: 1 1/2 deg. at 6611'. Type mud: KCL-brine-polymer, wt. 9.4#; vis. 32; W.L. 12.6; F.C. 2; pH 10; chromates 300 ppm; KCl 9600; chlorides 50,000; gel strength ini./10 min. 1 / 6; % solids 7.9; % sand 1/4; PV 3; Yp 5. Drilled 6578' to 6611'. Surveyed and POOH with bit #6. Ran in hole and reamed 60' to TD. Drilled 6611' to 6786'. Background gas - 6 units; connection gas - 15 units; maximum gas - 1500 units at 6650'. Drilling break at 6640' to 6650' - ROP; 5 min./ft. to 1 1/2 min./ft.; 700 units. 6656' to 6666' - ROP; 5 min./ft. to 1 1/2 min./ft.; 1000 units. Cum. mud cost \$22,110. Chase 13/0/0. Drlg. Foreman: Gonzales.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

6-28-79: Drilling in sand and shale at 7071', made 286'. 7 7/8" hole. Bit #7 STC, F-3 in hole. 15 6 1/4" drill collars; WOB 40,000#; RPM 60; drill pipe tool jts. and drill collar tool jts.: 4 1/2" X-H; 7 3/4" x 4 1/2" pump; 135 SPM; 215 GPM; PP 1000#; ann. vel.: DC 230 & DP 126; jet vel. 371; BHA: bit and 15 drill collars. Type Mud: KCL-Brine, wt. 9.5#; vis. 32; W.L. 10.5; F.C. 2; pH 10.5; chromates 300 ppm; KCl 9600; chlorides 6000; gel strength ini./10 min. 2 / 4; % solids 4.7; % sand 1/4; PV 4; Yp 4. Drilled 6785' to 7071'. Background gas avg. - 10 units. Connection gas - 35 units; maximum gas - 450 units. 6811-6825' - 150 units; 6838-6844' - 40 units; 7004-7020' - 450 units; 7040-7050' - 350 units. Cum. mud cost \$24,177. Chase 14/0/0. Drlg. Foreman: Gonzales.



Alex M. Yarsa  
Division Manager  
Production Department

CONOCO INC.  
152 NO. DURBIN  
CASPER, WYO. 82601  
(307) 234-7311

OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
T8S, R21E

TD 7450', PBDT 7414'. CORRECTION: On Daily Drilling Report dated July 2, 1979,  
logs run on 7-1-79 should be as follows instead of as previously reported.

DLL-GR - from 7453' to 522'

FDC-CNL-GR - from 7450' to 5000'

FDC-GR - from 5000' to 2000'

Caliper - from 2000' to 522'

BHC-GR - from 7450 to 5450'

Chase 16-2-0. Drig. Foreman: Stewart.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
T8S, R21E

TD 7450', PBDT 7414'. 7-3-79: Waiting on completion unit. 7-4-79: Shutdown  
for holiday.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
T8S, R21E

TD 7450', PBDT 7414'. 7-5-79: Waiting on completion unit.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
T8S, R21E

TD 7450', PBDT 7414'. 7-6-79 thru 7-9-79: Waiting on completion unit.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
T8S, R21E

TD 7450', PBDT 7414'. 7-9-79: Cleaning location.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
T8S, R21E

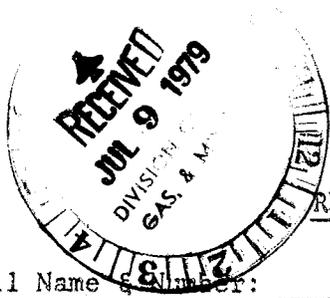
TD 7450', PBDT 7414'. 7-10-79: Cleaning location. Setting anchors.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
T8S, R21E

TD 7450', PBDT 7414'. 7-11-79: Cleaned and leveled location. Set and cemented  
anchors. Moving in workover tubing and production tubing. Prep. to weld well-  
head.

7-6-79

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



REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Conoco Duncan Federal 33 #8  
Operator: Conoco, Inc. Address: 152 N. Durbin, Casper, WY  
Contractor: Chase Drlg. Co. Address: One Park Central, Denver, CO  
Location SW 1/4 SE 1/4; Sec. 33 T. 8 XM, R. 21 E; Uintah County.  
S WX

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 Teps:

Remarks:

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



Sundry Notices and Reports on Wells  
Conoco Duncan Federal No. 33  
Page Two

17. (Continued)

and the well will be sidetracked and drilled to a depth of 7400' with a 4 3/4" bit. A 3 1/2" liner will then be run from 4900' to T.D.

A subsequent report will be submitted upon completion of this well.



Alex M. Yarsa  
Division Manager  
Production Department

Conoco Inc.  
907 North Union Boulevard  
Casper, WY 82601  
(307) 234-7311



OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21W

TD 7450', PBDT 7414'. 8-28-79: No report. 16/2/41.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R31W

TD 7450', PBDT 7414'. 8-29-79: No report. 16/2/41

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBDT 7414'. 8-30-79: No report. 16/2/41.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBDT 7414'. 9-5-79: No report. 16/2/41.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBDT 7414'. 9-11-79: No report. 16/2/41.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBDT 7414'. 9-13-79: No report. 16/2/41.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBDT 7414'. 9-17-79: No report. 16/2/41.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBDT 7414'. 9-28-79: Picking up 2 7/8" drill pipe. Could not find 2 7/8" rams to fit contractor's BOP's. Rigged down same. Rigged up new BOP'S. Picked up 3 1/2" kelly. Tested blind rams to 500 psi and held okay. Picked up BHA. 6 3 1/2" drill collars; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; pump - Oilwell 218 P - 18" x 5"; BHA - shoe, 3 jts. wash pipe, top sub, jars, cross-over, six 3 1/2" drill collars, and cross-over. Using salt water. T.W.T. 1/2/0/0. Drig. Foreman: DeClue. Mud supplier: Boss Mud Co.



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Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBTD 7414'. 8-21-79: Checked washover pipe. Found 11' of tubing in pipe. Picked up diamond washover shoe, 4 joints of washover pipe, jars, 4 drill collars, and tubing. Ran in hole. Worked over tubing at 5443'. Started to wash over at 5449'. Washed over 8' of tubing to 5457' in 3 hours. Picked up string. Circulated 1 hr. Cleaned mud tanks and worked on pump. Closed well in and SDON. 16/2/35.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBTD 7414'. 8-22-79: Hooked up circulating equipment. Worked washover pipe over tubing at 5443' and washed down to 5457'. Unable to cut any new hole. Tubing torquing up badly. Pulled tubing and washover string. Laid down 10' tubing in washover pipe. Diamond shoe showed no wear. Picked up carbide shoe and ran in hole with tubing and washover string. Worked over fish at 5453'. Cut 6' of new hole from 5457-63'. Circulated hole. Picked up tubing. SDON. 16/2/36.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBTD 7414'. 8-23-79: Pulled out of hole. Stood back wash pipe. Picked up overshot and tripped in hole. Fished. Pulled out of hole. Recovered 5' fish. Tripped in hole with wash pipe to 5468'. SDON. 16/2/37.



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OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22, T8S, R21E

TD 7450', PBDT 7414'. 8-15-79: Ran in hole with new shoe and 5 jts. 4 3/4" washover pipe. Worked over tubing. Hooked up circulating equipment. Milled on cement. Washed over 8' of new hole. Indication on torque that tubing is stuck in washover pipe. Circ. hole clean. Pulled up off bottom. SDON. 16/2/30.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22, T8S, R21E

TD 7450', PBDT 7414'. 8-16-79: Hooked up circulating equipment. Worked over fish. Tried to mill on bottom. Torqueing up badly. Unable to make hole. Tubing appeared to be free. Pulled tubing and tools. Picked up overshot with 2 7/8" grapple. Ran in hole with tubing. Latched onto fish. Jarred 40,000-50,000# on fish. Unable to pull loose. Released overshot. Pulled tubing and tools. Closed well in. SDON. 16/2/31.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22, T8S, R21E

TD 7450', PBDT 7414'. 8-17-79: Ran in hole with washover shoe, 5 jts. washover pipe jars, and 4 drill collars. Worked over fish. Made 4' of new hole in one hour. Quit drilling. Made 1' of hole in 4 hrs. Pulled up to 5417'. Circulated hole clean. SDON.

8-18-79: Pulled tubing and tools. Dressed washover shoe to 3 3/8". Went back in hole with washover shoe, washover pipe, and tubing. Ran 2 jts. washover pipe. Ran on bottom for 2 hrs. Made 1' of new hole. Tubing began to torque up badly and pump pressure went up. Circulated for one-half hr. Pulled tubing and tools. Recovered 15' of cork-screwed tubing. Laid down the 15' of tubing. Closed well in. SDON. 16/2/30.

8-19-79: Shut down for Sunday.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22, T8S, R21E

TD 7450', PBDT 7414'. 8-20-79: Picked up flat bottom washover shoe and ran in hole with 2 jts. washover pipe and tubing. Worked over fish. Washed over fish for 5 1/2 hrs. Made 19' of new hole and shoe quit cutting. Circulated hole. Pulled tubing and tools. SDON. 16/2/34.



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Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBD 7414'. 8-9-79: Hooked up circulating and drilling equipment. Washed down 93'. Appeared to be stringers of cement. Circ. hole clean. No recovery. Pulled tubing and washover string. Stood back 4 3/4" washover pipe and shoe. Picked up 2 7/8" overshot, bumper sub, and jars. Ran in hole with tubing. Ran to top of tubing at 5164'. SDON. 16/2/25.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBD 7414'. 8-10-79: Latched onto fish with overshot. Rigged up McCullough Tool. Jarred on fish for 30 min. Ran free point. Found free at 5400'. Cut tubing at 5387'. Rigged down McCullough. Pulled tubing and fish. Laid down fish. Recovered 223'; 403' of tubing left above packer. Picked up 2 jts. 4 3/4" washover pipe and ran in hole with 3 more for a total of 5 jts. washover pipe, jars, and tubing. Ran to fish. SDON.

8-11-79: Ran to bottom. Hooked up circulating equipment. Started washing over fish. Washed over 45', all hard cement. Washover pipe began to drag badly and quit cutting. Pulled tubing and tools. Ran back with four washover jts. Ran tubing and tools back to bottom. SDON.

8-12-79: Shut down on Sunday. 16/2/27.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBD 7414'. 8-13-79: Hooked up drilling equipment. Milled on cement with new shoe. Cut a total of 89' of cement; cut to 5476'. Shoe quit cutting. Milling on hard cement. Pulled tubing and shoe. Put on new shoe. Ran in hole to top of fish at 5387'. SDON.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBD 7414'. 8-14-79: Hooked up circulating equipment. Got over top of fish at 5387'. Ran to 5476'. Made 5' new hole and quit drilling over tubing. Unable to make new hole for 1 hr. Pulled tubing and washover shoe. Found 30' of tubing in washover pipe. Top of fish at 5417'. Laid down fish. SDON. 16/2/29.



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Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE <sup>33</sup>Sec. 22,  
T8S, R21E

TD 7450', PBDT 7414'. 8-3-79: Tubing dead at 7:00 a.m. Rigged up swab. Swabbed well to 5500' in two runs. Continued to swab well. Had a slight blow of gas at 10:00 a.m. Measured rate 2 MCF. Pulling swab one time per hr. Very little fluid entering well bore. Left tubing open to pit overnight.

8-4-79: Ran in with swab. Found FL at 5000' from surface. Very faint blow of gas. Made one swab run from 5500'. Measured rate of gas at 2 MCF. No fluid coming in well bore. SDON. Left tubing open to pit. Prep. to pull and frac well.

8-5-79: Shut down on Sunday.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 22,  
T8S, R21E

TD 7450', PBDT 7414'. 8-6-79: Released packer. Latched on bridge plug. Pulled bridge plug and packer. Laid down ball catcher. Reran bridge plug and packer. Set bridge plug at 6103'. Prep. to circulate sand on bridge plug and squeeze perforations 6022-6029.5'. SDON.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBDT 7414'. 8-7-79: Rigged up Halliburton. Spotted 2 sacks sand on bridge plug. Waited 30 min. Tagged sand. Found 13' fill at 6095'. Set packer at 5796' with top of perfs at 6022'. Pressured up annulus to 500#. Pumped in tubing to establish rate. Pumped 3½ B/M at 2500# for 3 min. Mixed and pumped 50 sacks Class "G" with .4% "Halad-9" retarder. Pumped in 31 bbls. and set packer. Pumped in displacement until cement was out of tubing. Hesitation squeeze cemented in seven stages of 3 min., 5 min., 10 min., 15 min., 20 min, 25 min., and 30 min. Press. up to 2400-2500# and pressure would decrease to 1000-1100#. Worked for 2 hrs. Left 65' of cement in pipe. Press. annulus to 1500# and tried to open unloading valve to release packer. Would not release. Repeated with 2500# on back side. Packer would not release. Shut well in with 1000# on tubing. WOC.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22,  
T8S, R21E

TD 7450', PBDT 7414'. 8-8-79: Rigged up McCullough. Ran in with free point. Found pipe free at 5174' (packer at 5790'). Cut tubing at 5164'. Rigged down McCullough. Pulled tubing. Picked up washover shoe, 3 jts. washover pipe, and jars. Ran in hole with tubing to 5130'. SDON. 16/2/24.



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Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .750000 - SW SE Sec. 22, T8S, R21E

TD 7450', PBD 7414'. 7-31-79: Ran in hole with tubing and Baker stinger. Stung into retainer. Hooked up Halliburton. Pressured up annulus to 1000#. Pressured up on tubing to 5300# to break down and cement squeeze. Formation would not break down to establish rate. Released pressure. Repeated procedure. No break down. Pressured annulus to 3800#. Held for 20 min.; okay. Press. up on tubing to 5300#. No breakdown. Pulled out of retainer. Pulled tubing. Prep. to perf. Wasatch formation. SDON.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .750000 - SW SE Sec. 22, T8S, R21E

TD 7450', PBD 7414'. 8-1-79: Rigged up Schlumberger and perforated Wasatch formation as follows: 6022-6029.5' - 2 JSPF - 16 holes and 1 JSPF at the following intervals:

6645'	6815'	7012'	7217'
6647'	6817'	7013'	7219'
6649'	6824'	7014'	7221'
6664'	6826'	7015'	7223'
6666'	6839'	7016'	7225'
6668'	6841'	7017'	7227'
			7229'

Water began to rise after perforating the zone from 7217' to 7229'. Rigged down perforators. Picked up Baker Model "C" retrievable bridge plug, retrieving head and Model "A" cementing packer. Ran in with tubing. Set bridge plug at 7272'. Pulled up and set packer at 6594'. Well began kicking fluid while running tubing and tools in hole. Closed BOP and tubing. SDON. Will break down and flow back on 8-2-79.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .750000 - SW SE Sec. 22, T8S, R21E

TD 7450', PBD 7414'. 8-2-79: Rigged up Western Company. Broke down perfs with 15% HCl containing 4#/1000 gal. J-120 friction reducer. Broke perfs 6645-7229' at 2100 at 4 B/M. Increased rate to 6.4 B/M at 2400#. Dropped 66 ball sealers during treatment at 1/bbl. and 1/1½ bbls. Balled off perfs at 5500# before last 3 bbls. acid in perfs. Surged off balls. Displaced last 3 bbls. acid with 2% KCl water. ISIP 1400#. Opened well to pit. Flowed well back for 2 hrs. at 1/3 to 1/2 B/M. Rigged up swab. Swabbed well until well began to flow gas back. Treated with 2000 gal. acid. Killed well with 30 bbls. 2% KCl water. Released packer. Retrieved plug. Pulled and laid down 38 jts. tubing. Stood back 2 stands of tubing. Set bridge plug at 6103' and packer at 5981'. Treated perfs at 6022' to 6029.5'. Pumped into formation at 2 B/M at 3500#. Picked up rate to 2.5 B/M at 4000#. Broke down to 2600#. Increased rate to 6.5 B/M. Pumped 1200 gal. 15% HCl with 4#/1000 gal. friction reducer and 1 ball/bbl. acid. Displaced with 2% KCl water. Had good balling action. Balled perfs at 5200#. Avg. rate 4 B/M at 3100#. Max. rate 6.4 B/M. Perfs balled off when last balls hit perfs. Opened well up to pit. Flowing back at 1/3 B/M. Left well flowing to pit overnight.



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Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 22, T8S, R21E

TD 7450', PBDT 7414'. 7-25-79: Rigged up B-J. Pumped in 30 BW ahead of cement. Mixed and pumped in 140 sacks of cement behind the water and pressure began to build up. Pressure went to 2500#. Stopped pumping and tried to surge back to clean DV tool. Repeated process two more times with pressure at 3000# and 3800#. Released pressure. Ran in hole with 34 stands of tubing. Reversed out cement. Pulled out of hole. Dropped wiper plug. Picked up 4 3/4" bit and sub. Ran in hole with tubing with plug ahead of bit. Ran to DV tool and set 18,000# on DV tool. Rigged up B-J. Held 1000# on casing. Hooked up to surface pipe-long string annulus. Mixed and pumped in 400 sacks 50-50 Poz cement down surface pipe annulus. Pressure started at 200# and went to 0#. Cleaned lines with water. Rigged down B-J. WOC. SDON.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 22, T8S, R21E

TD 7450', PBDT 7414'. 7-26-79: Picked up and set tubing down on plug and DV tool. Picked up and set twice. Rigged up power swivel and pumping equipment. Drilled on plug for several minutes. Picked up tubing and set weight of tubing on plug several times while drilling. Drilled a total of 20" and fell thru DV tool. Pressured up to 2000# for 15 min. Held okay. Picked up, tallied and singled in 2 7/8" tubing to 7366', top of float collar. Circulated hole clean with 2% KCl water. Prep. to pull tubing. SDON.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 22, T8S, R21E

TD 7450', PBDT 7414'. 7-27-79: Pulled tubing and tools. Picked up 5 1/2" scraper and ran in hole to 5100'. Scraped pipe at DV tool. Pulled tubing and scraper. Laid down scraper. Finished installing wellhead. Preparing to run CBL-VDL. SDON.

7-28-79: Rigged up Schlumberger to run CBL. Had trouble with logging truck. Pressured up to 2000#. Ran CBL-VDL from 7340' to 139'. Rigged down loggers. SDON.

7-29-79: Shut down on Sunday.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 22, T8S, R21E

TD 7450', PBDT 7414'. 7-30-79: Rigged up Schlumberger. Ran in hole and perf. 7336-37' with 4 JSPF. Picked up Baker Model "K" cement retainer. Ran in hole with wire line to 7310' and set. Rigged down perforators. Picked up stinger for cement retainer. Started in hole with 2 7/8" tubing. SDON.



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OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch 7450' - Conoco .7500000 - SW SE Sec. 22, T8S, R21E

TD 7450', PBDT 7414'. 7-20-79: Tallied and singled in 2 7/8" tubing. Started losing some weight at 4820'. Ran tubing to 4930'. Reversed out hole. Rec. some small pieces of cement with mud. Ran to 4949'. Set down with 12,000#. Hooked up to reverse out. Would not circulate. Picked up 2". Reversed out bottom. Shut in tubing. Pumped in annulus. Pumped 150 bbls. of mud to establish circulation thru DV tool and around long string. Pumped at 4 B/M at 1000-1200#. No returns at surface. Surface pipe had heavy gas blow. Pulled tubing. Hooked up BJ Cementers. Pumped 156 bbls. mud at 4-7 B/M at 1500#. Recovered small amt. of oily water from surface pipe. SDON.

7-21-79: Picked up Baker 5 1/2" packer. Prepared to pressure long string above and below 4930'. Ran in hole to 2360'. Packer stacked out. Spudded several times. Unable to get below 2360'. Pulled tubing and packer. Picked up 5 1/2" mill dressed to 1/32" (4.74") under drift diameter. Started in hole. Mill would not go below first collar. Pulled tubing and mill. Dressing mill to 1/16" under drift diameter. SDON.

7-22-79: Shut down on Sunday.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 22, T8S, R21E

TD 7450', PBDT 7414'. 7-23-79: Ran in with mill gauged 1/16" under drift diameter, jars, bumper sub, three drill collars, and tubing. Ran to 2360'. Rotated three turns with mill and fell thru. Lowered mill 1 1/2' and fell to hard cement on casing walls. Pulled mill and tools. Picked up 4 3/4" bit and ran in hole with two drill collars and tubing. Ran to 2363'. Rotated thru cement tight spot for 33' and then fell free. Ran to 4935' (14' above DV tool). Reversed out. Pulled two stands of tubing. SDON.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 22, T8S, R21E

TD 7450', PBDT 7414'. 7-24-79: Pulled out of hole with tubing and bit. Laid down bit. Picked up Baker scraper and ran in hole with tubing. Ran scraper to 2500'. Pulled tubing and scraper. Laid down scraper. Picked up tool that was fabricated to open DV tool. Centralized the bottom jt. of tubing. Ran in hole with tubing to 4' above DV tool. Circ. hole to clean out cement cuttings. Recovered many small pieces of cement and several large pieces. Worked pipe up and down. Closed tubing in. Pumped up to 2000#, but could not pump thru DV tool. Worked tubing up and down slowly while reverse circulating. Worked tubing down 4' to top of tool. Closed tubing in and pumped into annulus. Pumped in at 2 1/2 B/M at 1400# with rig pump. Pumped in 35 BF. Shut down pump. Pulled tubing and tool. Closed well in. Preparing to cement second stage of cement job. SDON. 16/2/14.



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Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
T8S, R21E

TD 7450', PBDT 7414'. 7-12-79: Set anchors. Moved racks and production tubing. Moving in workover tubing. Working on wellhead.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
T8S, R21E

TD 7450', PBDT 7414'. 7-13-79: Moving in workover tools.  
7-14-79 and 7-15-79: Shut down for weekend.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
T8S, R21E

TD 7450', PBDT 7414'. 7-16-79: Hooked up temporary wellhead. Rigged up Conoco wire line with sinker bars and jars. Ran in hole. Found top of bomb for two-stage DV tool at 223'. Pushed bomb to 530'. Moved very slowly. Had to set down and jar most of way.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
T8S, R21E

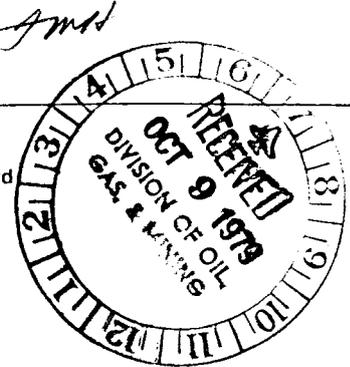
TD 7450', PBDT 7414'. 7-17-79: Fabricating tool to push bomb and plug to DV tool to open ports.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 22,  
T8S, R21E

TD 7450', PBDT 7414'. 7-18-79: Rigging up unit to run in hole with tubing and fabricated tool to push bomb to DV tool.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 22,  
T8S, R21E

TD 7450', PBDT 7414'. 7-19-79: Tallied, picked up in singles, and ran 120 jts. 2 7/8" tubing to 3720'. Hooked up mud tanks and lines from wellhead to tank. Hauled mud to tank. Hooked up circulating equipment. SDON.



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OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22, T8S, R2E

9-29-79: Washing over tubing. Cement top 5485'. Washed over 15'. Finished picking up drill pipe. Washed from 5470' to 5482'. (Tool milling rough and bouncing.) Pulled out of hole. Recovered 15.70' of tubing. (Tubing sliced all the way and jammed in barrel.) Changed shoes. Ran in hole. Washing over to 5485'. Shoe #1 (carbide flat bottom) - 5470-5482' - worn out. Shoe #2 (carbide flat bottom) - 5482-5485'. BHA - shoe, 3 jts. wash pipe, top sub, jars, cross-over, six 3½" drill collars, and cross-over. Using salt water. Drlg. Foremen: DeClue and Anderson. T.W.T. 1½/0/0.

9-30-79: Washing over tubing. Cement top 5501'. Washed over 16'. Washed from 5485' to 5487'. Pulled out of hole and changed shoe. Ran in hole. Tested BOP's to 1000 psi. Shoe #2 - carbide flat bottom - 5482-5487' - worn and cracked. Shoe #3 in hole. BHA - same as 9-29-79. Using salt water. Drlg. Foremen: DeClue and Anderson.

10-1-79: Washing over. Cement top 5518'. Washed over 17'. Washed from 5501' to 5512'. Pulled out of hole and recovered 31' of tubing and junk (20' on bottom of fish not sliced). Rigged up shoe #4. Ran in hole and tagged one ft. of junk in hole at 5511'. Milled on junk approx. 4½ hrs. Started washing over at 2 to 3'/hr. penetration. Operations to date: Rec. 47' junk. washover hrs. total = 42; washover footage = 48. Shoe #3 - carbide wavy bottom - 5487-5512' - worn out. Shoe #4 in hole. 6 3½" drill collars; WOB 500#; 60 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 12" x 5½" pump; 30 SPM; 124 GPM; PP 250-400#; BHA - shoe, 3 jts. wash pipe, top sub, jars, cross-over, six 3½" drill collars, and cross-over. Using salt water. Drlg. Foremen: DeClue and Anderson. T.W.T. 3½/0/0.

10-2-79: Washing over. Cement top 5538'. Washed 20'. Washed from 5518' to 5532'. Pulled out of hole and recovered 25' tubing and junk (6' on top sliced and rest of fish complete). Picked up shoe #5. Ran in hole. Cut drilling line. Finished running in hole and worked past 5' stub and junk. Continued washing over at approx. 3'/hr. (Washing over increases off and on, indicating voids or contaminated cement.) Operations to date:

Total wash-over time	56 hrs.
Total washed	68'
Total recovery	71'
Avg. wash-over rate	1.2'/hr.

Shoe #4 - carbide wavy bottom - 5512-5532' - worn and cracked. Shoe #5 in hole. Six 3½" drill collars; WOB 500#; 60 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 12" x 5½" pump; 30 SPM; 124 GPM; PP 350/400; BHA - shoe, 3 jts. wash pipe, top sub, jars, cross-over, six 3½" drill collars, and cross-over. Using salt water. Drilling Foremen: DeClue and Anderson. T.W.T. 4½/0/0.



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OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22, T8S, R21E

TD 7450', PBD 7414'. 10-6-79: Milling at 5576'. Finished running in hole. Tried to wash over with shoe #9 with no progress. Circulated and pulled out of hole. Stood back wash-over pipe. Ran in hole with overshot. Fished and pulled out of hole with no recovery. Laid down overshot. Picked up junk sub and flat bottom mill. Threads bad on flat bottom mill so picked up second mill. Ran in hole. Tagged junk at 5575.5'. Started milling and milled 4 inches. Shoes #8 and #9 and the overshot all indicated inside wear of 3 15/16".

Total washover time	99 1/4 hrs.
Washed over	106'
Total recovery	112'

Shoe #9 (carbide wavy bottom) worn out. Bowen overshot worn same as wash shoes. Mill #1 in hole. BHA - mill, junk sub, cross-over, cross-over, jars, cross-over, six drill collars, and cross-over. Using salt-gel. Drlg. Foremen: DeClue and Anderson.

10-7-79: Running in hole with flat bottom mill. Depth 5577'. Milled 14 inches. Milled with flat bottom mill from 5575.5' to 5577'. Pulled out of hole and recovered only metal cuttings in junk sub. Ran in hole with shoe #10 and 2 jts. wash-over pipe. Washed for 6 1/2 hrs. with no progress. Pulled out of hole and wash-over shoe was grooved at the bottom with an inside of 3 15/16" same as shoes #8 and #9. Made up flat bottom mill #2 and ran in hole. Mill #1 - 4 3/4" flat bottom - 5575.5' to 5577' - worn out. Shoe #10 (carbide wavy bottom) - worn out. Mill #2 in hole. BHA - mill, junk sub, cross-over, jars, cross-over, six drill collars, and cross-over. Salt-gel - Wt. 9.8#; Vis. 31. Drlg. Foremen: DeClue and Anderson.

Total washover time	105 1/2 hrs.
Total washed out	106'
Total recovered	112'

10-8-79: Milling at 5581'. Ran in hole with 4 3/4" flat bottom mill. Milled from 5577' to 5581'. Mill #2 (4 3/4" flat bottom) in hole. Six 3 1/2" drill collars; WOB 3000#; 35/40 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 18" x 5" pump; 30 SPM; 148 GPM; PP 800#; BHA - same as 10-7-79. Salt-gel - Wt. 10#; Vis. 30. Cum. mud cost: \$2119. T.W.T. 0/10 1/2/0. Drlg. Foremen: DeClue and Anderson.

Milled time	26 1/2 hrs.
Milled	5 1/2'
Time	105 1/2 hrs.



BELCO PETROLEUM CORPORATION  
VERNAL DISTRICT  
DAILY DRILLING REPORT  
OCTOBER 5, 1979

DRILLING

10-4-79

Building location. WORT  
Will move today.  
Cost to date \$2620

10-5-79

MIRT  
Cost to date \$13,314

OUTSIDE OPERATED

FUELCO

B-12-6-104-S

10-3-79

Nipple up & install new valve assembly on stand pipe.  
Drld mouse hole. Test BOP & new assembly to 1700#.  
@ 10:00 P.M. drill out under surface, 20' per hr. WOB-all  
8 3/4" Reed FP-52, bit #2.

10-4-79

Drld 380', 45' per hr. WOB-14,000, RPM-60, AP-75. Drlg  
sand, shale & some coal. Mesa Verde formation. 2 - 10'  
sec conn flares @ 356' & 386'.

CONOCO

DUNCAN FED 33-8

10-4-79

Washover cement top @ 5569'. WO 19' from 5550-5555'. POH.  
Change out 1 jt washpipe. Rec 8' fish (sliced & twisted)  
most of junk rec. PU shoe #7. TIH. Work past 3' stub.  
Continue WO. Rate 1 1/2 - 2' per hr.

COMPLETION

DC 3-16GR

NL Well Serv  
Belco WI 100%  
PBSD 4979'

7:00 A.M. TP-10, well flowing about 1 BBL per hr. Lt crude  
thru 14/64 choke, flowed 9 BBLS in 8 hrs. Total fluid  
flowed since frac-96 BBLS, RD & move to DC 6-16GR.  
AFE (completion) \$291,000  
Cost to date \$247,485

NBU 70-34B

NL Well Serv  
Belco WI 100%  
PBSD 6270'

Set BP @ 6229' & pkr @ 5818' to test lower 3 zones. Made  
2 swab runs in 1 1/4 hrs. 1st run 1800' gas cut fluid.  
chl-28,000. 2nd run dry, 3rd run dry. Well making trace  
gas from tbg (isolated zones), less than 100 MCFD from csg.  
Waited 2 hrs, ran 4th swab, hole dry.  
Set BP @ 5660', pkr @ 5566' to test top zone. Made 3 swab  
runs in 1 hr. 1st run 2000' gas cut fluid, 2nd run 200'  
gas cut fluid, 3rd run trace fluid. Isolated zone blowing  
183 MCFD, vented to flat tank for 12 hr gauge, csg SI.  
(15 hr gauge shows well made 0 BBLS wtr, very little gas,  
no fluid on swab.) This A.M. will breakdown 6204-6206',  
5971-5973', 5863-5865', 5611-5613' w/HOWCO C-2.  
AFE (completion) \$433,000  
Cost to date \$244,180



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OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22, T8S, R21E

10-3-79: Washing over. Cement top 5550'. Washed over 12'. Washed over from 5542' to 5548'. Pulled out of hole. Laid down one jt. wash pipe and picked up one jt. wash pipe. Recovered 6' of fish (tubing sliced and twisted). Picked up shoe #6. Ran in hole. Worked past 9' stub from 5539' to 5548'. Continued washing over. Washing over rate 1'/hr. Shoe #5 (carbide wavy bottom) - 5532-5548'. Shoe #6 in hole. Six 3½" drill collars; WOB 500#; 60 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 12" x 5½"; 30 SPM; 124 GPM; PP 350/400#; BHA - shoe, 3 jts. wash pipe, top sub, jars, cross-over, six 3½" drill collars, and cross-over. Using salt water. T.W.T. 5½/0/0. Drlg. Foremen: DeClue and Anderson.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22, T8S, R21E

TD 7450', PBDT 7414'. 10-4-79: Washing over. Cement top 5569'. Washed over 19'. Washed from 5550' to 5555'. Pulled out of hole. Changed out one jt. wash pipe. Recovered 8' fish (fish sliced and twisted, but most of junk recovered). Picked up shoe #7. Ran in hole. Worked past 3' stub and continued washing over. Washover rate this morning = 1½ to 2'/hr. Shoe #6 - (carbide wavy bottom) - 5548-5555' - worn out. Shoe #7 in hole. Six 3½" drill collars; WOB 500/2500#; 60 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 12" x 5½" pump size; 30 SPM; 124 GPM; PP 350/400#; BHA - shoe, 3 jts. wash pipe, top sub, jars, cross-over, six 3½" drill collars, and cross-over. Using salt water. Operations to date:

Total wash-over time	85 3/4 hrs.
Total washed over	99'
Total recovery	87'

T.W.T. 6½/0/0. Drlg. Foremen: DeClue and Anderson.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22, T8S, R21E

TD 7450', PBDT 7414'. 10-5-79: Running in hole. Cement top 5576'. Washed over 7'. Washed from 5569' to 5576'. Pulled out of hole. Changed out one jt. washover pipe. Recovered 25' of fish (top 3' and bottom 5' twisted). Picked up shoe #8. Ran in hole. Washed and worked pipe for 3 hrs. attempting to wash over fish. Pulled out of hole with 5,000 to 10,000# drag coming off bottom. Lost drag 3 stands off bottom. Pulled out of hole and picked up shoe #9. Shoe #7 (carbide wavy bottom) 5555-5576' - cracked and worn badly. Shoe #8 (carbide drag shoe) 5576-5576' - worn out. Shoe #9 in hole. Six 3½" drill collars; WOB 500#; 60 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 12" x 5½" pump; 30 SPM; 124 GPM; PP 350/400; BHA - shoe, 3 jts. wash pipe, top sub, jars, cross-over, six 3½" drill collars, and cross-over. Using salt water. T.W.T. 0/7½/0. Drlg. Foremen: DeClue and Anderson.



JH

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OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

TD 7450', PBDT 7414'. 10-11-79: Washing over. Cement top 5639'. Washed over 21'. Finished pulling out of hole. Changed out 1 jt. wash pipe and picked up shoe #13. Recovered 6' fish. (Recovered junk from previous washing over.) Washed from 5618' to 5639'. (1.2 ft./hr. this morning.) Shoe #12 (carbide wavy bottom) 5615- to 5618' - worn out. Shoe #13 in hole. Six 3½" drill collars; WOB 500#; 60 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 18" x 5" pump; 30 SPM; 148 GPM; PP 450#; BHA - 4 3/4" x 3½" shoe, 2 jts. wash pipe, top sub, jars, cross-over, six drill collars, and cross-over. Using salt-gel. Cum. mud cost: \$2119. T.W.T. 0/13½/0.  
Drilling Foremen: DeClue and Anderson.

Total milled	5½'
Total washover time	151¼ hrs.
Total washed over	164'
Total recovery	144'
To date total footage/day	12.6'

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

TD 7450', PBDT 7414'. 10-12-79: Washing out. Cement top 5664'. Washed over 25'. Washover hrs. = 18¼. Washed from 5639' to 5648'. Pulled out of hole and changed out 1 jt. wash pipe. Picked up shoe #14. (30' recovered and jammed in wash pipe.) Ran in hole. Washed to 5664'. Washover rate 1 3/4'/hr. Total washover footage = 189'. Shoe #13 (carbide wavy bottom) 5618-5648'. Shoe #14 in hole. Six 3½" drill collars; WOB 500#; 65 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 18" x 5" pump; 30 SPM; 148 GPM; PP 450#; BHA - 4 3/4" x 3½" shoe, 2 jts. wash pipe, top sub, jars, cross-over, six drill collars, and cross-over. Using salt water. Cum. mud cost: \$2119. T.W.T. 0/14½/0. Drilling Foremen: DeClue and Anderson.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

TD 7450', PBDT 7414'. 10-13-79: Running in hole. Depth 5676'. Washed over 12' in 10¼ hrs. Washed over from 5664' to 5665'. Circulated and pulled out of hole. (Recovered 16'.) Ran in hole with shoe #15. Washed from 5665' to 5676'. Circulated and pulled out of hole. (No recovery.) Changed out shoe and ran in hole. Total washover footage = 201. Shoe #14 (carbide wavy bottom) 5648' to 5665' - worn. Shoe #15 (carbide wavy bottom) 5665' to 5676' - worn. Shoe #16 in hole. BHA - shoe, 2 jts. wash pipe, top sub, jars, cross-over, six drill collars, and cross-over. Using salt water. Drig. Foreman: Christensen.



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OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SE SW Sec. 22, T8S, R21E

TD 7450', PBDT 7414'. 10-9-79: Washing over. Cement top 5602'. Washed over 21'. Milled to 5581'. Pulled out of hole. Picked up shoe #11 and changed BHA. Ran in hole. Washed from 5581' to 5602'. This morning washing 1'/hr. Mill #2 (4 3/4" flat bottom( - 5577-5581' - worn. Shoe #11 in hole. Six 3 1/2" drill collars; WOB 500#; 60 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 18" x 5" pump; 30 SPM; 148 GPM; PP 700#; BHA - 4 3/4" x 3 1/2" shoe, 2 jts. wash pipe, top sub, jars, cross-over, six drill collars, and cross-over. Salt-gel - Wt. 9.8#; Vis. 30. Cum. mud cost: \$2119. T.W.T. 0/11 1/2/0. Drig. Foremen: DeClue and Anderson.

Total milling time	28 hrs.
Total milled	5 1/2'
Total washover time	121 1/4 hrs.
Total washed over	127'
Total recovered	112'
To date washover rate/day	11'

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

TD 7450', PBDT 7414'. 10-10-79: Pulling out of hole. Cement top 5618'. Washed over 16'. Washed to 5615'. Circulated and pulled out of hole. Recovered 26' (1/3 diameter sliced with bottom 3' twisted; 1/3 of collar recovered). Washed from 5615' to 5618' and pulled out of hole. Shoe #11 (carbide wavy bottom) 5581' to 5615' - worn flat. Shoe #12 in hole. Six 3 1/2" drill collars; WOB 500#; 60 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 18" x 5" pump; 30 SPM; 148 GPM; PP 625#; BHA - 4 3/4" x 3 1/2" shoe, 2 jts. wash pipe, top sub, jars, cross-over, six drill collars, and cross-over. Using salt-gel. Cum. mud cost: \$2119. T.W.T. 0/12 1/2/0. Drig. Foremen: DeClue and Anderson.

Total milled	5 1/2'
Total washover time	134 1/4 hrs.
Total washed over	143'
Total recovery	138'
Total recovered to date/day	11.88'



Handwritten initials or signature.

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OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

TD 7450', PBDT 7414'. 10-24-79: Pulling out of hole. Depth 5657'. Made 35'. 4 3/4" hole. Drilled from 5622' to 5657'. Circulated and conditioned hole. Dropped Totco and pulled out of hole. Bit #2 - Christ. dia. MD-331 - 5575-5657' - 5% worn. 22 3 1/2" drill collars; WOB 10,000#; 80 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 5" x 18" pump; 22 SPM; 120 GPM; PP 1550#; ann. vel. - 350 on drill collars and 205 on drill pipe; BHA - 4 3/4" bit, sub, crossover, 22 drill collars, and crossover. Dev.: 5 3/4° at 5657'. Brine-gel-polymer - Wt. 9.5#; Vis. 35; WL 10.5 cc; FC 1/32; pH 11; gel strength ini./10 min. 1 / 2; 0.5% solids; trace of sand; salinity 100,000 ppm; PV 10; Yp 5. Cum. mud cost: \$6171. T.W.T. 0/26 1/2/0. Drlg. Foremen: Christensen and Anderson

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

TD 7450', PBDT 7414'. 10-25-79: Drilling at 5723'. Made 66'. 4 3/4" hole. Ran in hole. Installed rotating head and drive bushing. Checked BOP's. Drilled from 5657' to 5723'. Bit #3 in hole. 22 3 1/2" drill collars; WOB 10,000-12,000#; 70 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 5" x 18" pump; 16 SPM; 75 GPM; PP 650#; ann. vel. - 208 on drill collars and 128 on drill pipe; BHA - bit, stabilizer, drill collar, stabilizer, and 21 drill collars. Dev.: 5 3/4° at 5657'. Drlg. with brine-polymer - Wt. 9.4#; Vis. 35; WL 11 cc; FC 1/32; pH 10; gel strength ini./10 min. 1 / 2; 2% solids; trace of sand; salinity 80,000 ppm; PV 8; Yp 4. Cum. mud cost: \$7014. T.W.T. 0/27 1/2/0. Drlg. Foreman: Anderson.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

TD 7450', PBDT 7414'. 10-26-79: Waiting on tools. Depth 5726'. Made 3'. Drilled from 5723' to 5726'. Circulated. Ran survey and pulled out of hole for new bit. Ran in hole with bit #4 and could not get thru window. Circulated and ran SLM out of hole. Note: Tagged with bit #4 at 5464'. Bit #3 - HTC J-4 - 5657' to 5726'. Bit #4 in hole. 22 3 1/2" drill collars; WOB 10,000-12,000#; 70 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 5" x 18" pump; 16 SPM; 75 GPM; PP 650#; ann. vel. - 208 on drill collars and 128 on drill pipe; BHA - bit, stabilizer, drill collar, stabilizer, and 21 drill collars. Dev.: 5° at 5726'. Brine-polymer - Wt. 9.5#; Vis. 37; WL 10 cc; FC 1/32; pH 11; gel strength ini./10 min. 1 / 2; 2.5% solids; trace of sand; salinity 100,000 ppm; PV 10; Yp 5. Cum. mud cost: \$8426. T.W.T. 0/29 1/2/0. Drlg. Foreman: Anderson.



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OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

10-21-79: Drilling at 5512'. Drilled 34' in 2½ hrs. Reamed 20' in 1 hr. Milled 11' in 5½ hrs. Milled from 5467' to 5471'. Pulled out of hole. Changed out diamond mill with "Cutright" speed mill. Ran in hole. Reamed window section. Milled from 5471' to 5476' on metal and 2' formation to 5478'. Dropped Totco. Pulled out of hole. Laid down "Cutright" mill and picked up bit #1 and 16 drill collars. Ran in hole. Reamed thru window section with string "Cutright" mill. Drilled from 5478' to 5512'. Diamond mill - 5467' to 5471' - worn. "Cutright" speed mill - 5471-5478' - worn. Bit #1 in hole. BHA - 4 3/4" bit, string reamer, cross-over, 22 drill collars, and cross-over. Dev.: 3¼° at 5477'. Using salt-gel - Wt. 9.4#; Vis. 35; WL 12 cc. Drlg. Foremen: Christensen and Anderson.

10-22-79: Running in hole. Depth 5575'. Made 63'. 4 3/4" hole. Drilled from 5512' to 5542'. Ran Totco on wireline. Retrieved wireline. Drilled from 5542' to 5575'. Dropped Totco and pulled out of hole. Found Totco hung 5 drill collars down. Rabbited all drill collars and found two drill collars with reduced I.D. Laid down two drill collars and picked up diamond bit. Bit #1 - HTC J-4 - 5478-5575'. Bit #2 in hole. 20 3½" drill collars; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 5" x 18" pump; 32 SPM; 158 GPM; PP 600#; BHA - 4 3/4" diamond, string mill, cross-over, 20 drill collars, and cross-over. Brine-gel - Wt. 9.5#; Vis. 35; WL 12 cc; FC 1/32; pH 10.5; gel strength ini./10 min. 1 / 2; trace of solids; trace of sand; salinity 100,000 ppm; PV 10; Yp 5. Cum. mud cost: \$5457. T.W.T. 0/24½/0. Drlg. Foremen: Christensen and Anderson.

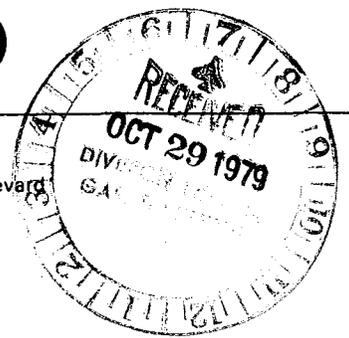
Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

TD 7450', PBD 7414'. 10-23-79: Drilling at 5622'. Made 47'. 4 3/4" hole. Ran in hole. Drilled from 5575' to 5585' and took survey. Drilled from 5585' to 5610' and ran survey. Pulled out of hole. Changed BHA. Ran in hole with bit #2. Drilled from 5610' to 5622'. Bit #2 in hole. 22 3½" drill collars; WOB 7,000-8,000#; 80 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 5" x 18" pump; 22 SPM; 120 GPM; PP 1550#; ann. vel. - 350 on drill collars and 205 on drill pipe; BHA - 4 3/4: bit, sub, cross-over, 22 drill collars, and cross-over. Dev.: 5¼° at 5585'; 5½° at 5610'. Drlg. with brine-gel - Wt. 9.5#; Vis. 35; WL 10 cc; FC 1/32; pH 11.5; gel strength ini./10 min. 1 / 2; 1% solids; trace of sand; salinity 100,000 ppm; PV 10; Yp 5. Cum. mud cost: \$5509. T.W.T. 0/25½/0. Drlg. Foremen: Christensen and Anderson.



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OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33  
T8S, R21E

TD 7450', PBDT 7414'. 10-18-79: Milling. Depth 5770'. Washed over 39' and milled 8'. Washed from 5769' to 5808'. Circulated. Pulled out of hole. Recovered 14' of tubing and 9' of casing sliced and wrapped around tubing. Laid down wash pipe. Picked up flat bottom mill #4 and ran in hole. Milled from 5762' to 5770'. Shale cuttings over shaker. Closed pipe rams. Pumped 4 bbls. into formation. Press. up to 725 psi. Bled off to 425 psi. Total washed over = 290'. Shoe #19 (carbide wavy bottom) - 5764' to 5808' - worn. Flat bottom mill #4 in hole. Six 3½" drill collars; WOB 1000#; 60 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 5" x 18" pump; 30 SPM; 148 GPM; PP 600#; BHA - mill, crossover, jars, crossover, 6 drill collars, and crossover. Using salt water - Wt. 9.7#; Vis. 32. Cum. mud cost: \$2369. T.W.T. 0/20½/0. Drlg. Foremen: Christensen and Anderson.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
T8S, R21E

TD 7450', PBDT 7414'. 10-19-79: WOC. Depth 5770'. 5½" hole. Milled for 1 hr. with no results. Pulled out of hole. Laid down BHA. Picked up 3 jts. drill pipe and "EZS-V" retainer packer. Ran in hole to 5690'. Set packer. Attempted to pump and press. up below packer. Would not pump off. Pumped down annulus at 4 B/M with 1000 psi. Bled off 600 psi instantly. Pulled out of hole. Picked up "RTTS" and ran in hole to 5440'. Press. tested annulus to 1000-1200 psi at several depths and found hole in casing between 5563' and 5580'. Pulled up to 5253'. Cemented with 250 sacks Class "H" containing .2% "HR-5" and .2% "FR-2." Displaced at 5453'. Held 500 psi on annulus. WOC. Flat bottom mill #4 - 5767-5770' - 8' in 9½ hrs. - worn. Drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 5" x 18" pump. BHA - "RTTS" packer, circ. sub, and crossover. Using salt water. Cum. mud cost: \$2369. T.W.T. 0/21½/0. Drlg. Foremen: Christensen and Anderson.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33,  
T8S, R21E

TD 7450', PBDT 7414'. 10-20-79: Milling at 5470'. Milled 6' in 6½ hrs. Reamed 3' in 3/4 hr. 5½" casing. WOC. Pulled out of hole. Laid down "RTTS" packer. Set Baker packer and adapter at 5480' with McCullough. Picked up whipstock and ran in hole. Milled with pilot mill from 5464' to 5467'. Pulled out of hole. Laid down pilot mill. Picked up diamond speed mill and ran in hole. Reamed from 5464' to 5467'. Milled from 5467' to 5470' on metal. Pilot reamer - 5464-5467' - worn. Diamond speed mill in hole. BHA - diamond mill, string mill, cross-over, 6 drill collars, and cross-over. Using salt-gel - Wt. 9.5#; Vis. 35; WL 16 cc. Drlg. Foremen: Christensen and Anderson.



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OURAY FIELD - Uintah Co., Utah

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

10-14-79: Pulling out of hole. Depth 5704'. Washed over 28' in 20 3/4 hrs. Finished trip in hole. Worked past junk and washed from 5676' to 5704'. Torqued up - no progress. Circulated and pulled out of hole. Approx. rate 1 1/4'/hr. this morning. Total washed over = 229'. Shoe #16 (carbide wavy bottom) in hole. BHA - same as 10-13-79. Using salt water. Drlg. Foreman: Christensen.

10-15-79: Running in hole. Cement top 5717'. Washed over 13' in 10 3/4 hrs. Finished pulling out of hole. Recovered 40' jammed in wash pipe. Ran in hole. Cut drilling line. Finished running in hole. Washed over junk. Washed over 5704' to 5717'. Quit drilling and torqued up. Pulled out of hole with shoe #17. Total washed over = 242'. Shoe #16 (carbide wavy bottom) 5676' to 5704' - cracked and worn. Shoe #17 (carbide wavy bottom) 5704-5717' - worn out. Flat bottom mill #3 in hole. Six 3 1/2" drill collars; WOB 500#; 60/65 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 18" x 5" pump; 30 SPM; 148 GPM; PP 450#; BHA - flat bottom mill, junk sub, jars, cross-over, six drill collars, and cross-over. Using salt water. Cum. mud cost: \$2369. T.W.T. 0 - 17 1/2 - 0. Drlg. Foreman: Christensen.

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000 - SW SE Sec. 33, T8S, R21E

TD 7450', PBD 7414'. 10-16-79: Washing over. Cement top 5737'. Washed over 16'. Milled 4'. Finished pulling out of hole. (Rec. 10' partially sliced fish.) Picked up flat bottom mill #3 and junk basket. Ran in hole to top of 2 1/2' stub. Milled stub and 4' of junk and cement. Pulled out of hole. Junk basket full of junk. Ran in hole with shoe #18. Washed from 5721' to 5737'. Washover rate this morning = 2 1/2'/hr. Total washed over = 258'. Flat bottom mill #3 - 5714 1/2-5721' - 40% worn. Shoe #18 (carbide wavy bottom) in hole.

Six 3 1/2" drill collars; WOB 500#; 60/65 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 18" x 5" pump; 30 SPM; 148 GPM; PP 450#; BHA - shoe, 2 jts. wash pipe, top sub, jars, crossover, six drill collars, and crossover. Using salt water. Cum. mud cost: \$2369. T.W.T. 0/18 1/2/0. Drlg. Foreman: Christensen.

TD 7450', PBD 7414'. 10-17-79: Washing over. Cement top 5769'. Washed over 32' in 15 1/2 hrs. Washed from 5737' to 5764'. Pulled out of hole. Recovered 32' (bottom 16' was sliced and one tubing collar in middle). Ran in hole with shoe #19. Worked back to bottom past junk and 11' stub. Washed to 5769'. Lost 6" of washover shoe #18 in hole. Shoe #18 (carbide wavy bottom) - 5721-5764'. Shoe #19 in hole. Six 3 1/2" drill collars; WOB 500#; 60/65 RPM; drill pipe tool jts.: 2 7/8" EAC; drill collar tool jts.: 2 3/8" IF; 5" x 18" pump; 30 SPM; 148 GPM; PP 600#; BHA - shoe, 2 jts. wash pipe, top sub, jars, crossover, six drill collars, and crossover. Using salt water. Cum. mud cost: \$2369. Total washed over = 290'. T.W.T. 0 - 19 1/2 - 0. Drlg. Foremen: Christensen and Anderson.

17. (Continued)

Well 33 No. 8 is currently temporarily abandoned with a retainer at 5350' and 75 sacks of Class "H" cement below the retainer to 5726', and 25 sacks of Class "H" cement from 990-770'. The interval between the cement is filled with 9.6# mud. It is anticipated that the Green River formation will be tested in the future.

A completion notice will follow.

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  
Conoco Inc.

3. ADDRESS OF OPERATOR  
907 North Union Boulevard, Casper, WY 82601

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1230' FSL, 1410' FEL (SW SE)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
14-20-H62-3701

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
AL-3701

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Conoco Duncan Federal 33

9. WELL NO.  
8

10. FIELD OR WILDCAT NAME  
Ouray-Wasatch

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA  
Sec. 33, T8S, R21E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4674' Ungraded Ground

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

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

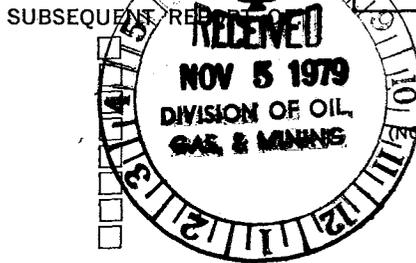
PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON\*

(other) Progress Report



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.)\*

Refer to Sundry Notice dated October 23, 1979.

After drilling the sidetracked well to a depth of 5726', the whipstock was apparently either damaged or dislodged. In any case, the window was no longer penetrable. It has been determined that drilling a new well is more favorable than additional sidetracking attempts. The location has been moved 90' to the west and renamed Conoco Duncan Federal 33 No. 9. An Application for Permit to Drill has been submitted for this new well.

(Continued)

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

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

SIGNED J. C. Thompson TITLE Adm. Supervisor DATE October 31, 1979

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:  
USGS(3) UOGCC(2) Belco File



JA

Production Department  
Casper Division

Conoco Inc.  
907 North Union Boulevard  
Casper, WY 82601  
(307) 234-7311

11-29-79

FINALS ON COMPLETED DRILLING WELLS

OURAY FIELD

Conoco Duncan Federal 33 #8 - Wasatch - 7450' - Conoco .7500000

Location: 1230' FSL, 1410' FEL (SW SE) Sec. 33, T8S, R21E, Uintah Co., Utah.  
AFE 12-61-1928. API Well No.: 43-047-30579. Fed. Lse. No. 14-20-H62-3701.  
Elevations: GL 4674', KB 4688', RBM 14'. TD 7450'. Spudded 6-14-79. Rig  
released 7-2-79. Ran DLL-GR, FDC-CNL-GR, Caliper, BHC-GR, and CBL-VDL. Tops:

Green River	2190'
"A" Sand	3497'
"A-1" Sand	3655'
"B" Sand	3800'
"D" Sand	4895'
Wasatch	5465'

Perfs: 7336-37' with 4 JSPF, 6022-6029.5' with 2 JSPF, and with 1 JSPF at the following intervals:

6645'	6815'	7012'	7217'
6647'	6817'	7013'	7219'
6649'	6824'	7014'	7221'
6664'	6826'	7015'	7223'
6666'	6839'	7016'	7225'
6668'	6841'	7017'	7227'
			7229'



Acidized all perfs. Squeezed perfs 6022-6029.5'.

Well was drilled to 7450' and cased. Cemented casing. Had problems with second stage of cement job. Moved pulling unit on location and during perforating and testing a squeeze packer was cemented in the hole. At that time washover operations with a pulling unit were attempted to recover 600' of tubing and squeeze packer without success. Moved on a drilling rig. Attempted to continue washover operations to recover tubing and squeeze packer. During washover operations a hole was cut in the casing and further recovery operations were discontinued. A cement plug and whipstock was utilized to cut a casing window to attempt to sidetrack and redrill the hole to TD at 5464'. Sidetracked and drilled to 5726'. Damaged the whipstock and blocked access to sidetrack. Temporarily abandoned 10-29-79. Set cement plugs as follows: Pumped 75 sacks Class "H" cement below retainer. Pulled out of hole. Laid down pipe and retainer running tool. Ran in hole to 990'. Pumped 25 sacks Class "H" cement. Holding for possible future test of Green River. Casing record: 9 5/8" set at 522' and 5 1/2" at 7414'. FINAL REPORT.

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.

15

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.

14-20-H62-3701

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

AL 3701

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Conoco Duncan Federal 33

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Ouray - Wasatch

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

Sec. 33, T8S, R21E

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

2. NAME OF OPERATOR

Conoco Inc.

3. ADDRESS OF OPERATOR

907 N. Union Blvd., Casper, Wyoming 82601

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

At surface 1230' FSL, 1410' FEL SW-SE

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

43-047-30579 June 5, 1979

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 19. ELEV. CASING HEAD

6/14/79

6/30/79

Not Completed-SIGW

GL 4674' KB 4688'

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. ROTARY TOOLS 25. CABLE TOOLS

7450'

770' Top Plug

A11

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

None - See Sundry Notice dated October 31, 1979

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

DDL-GR, FDC-CNL-GR, Caliper, BHC-GR, CBL-VDL

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
9 5/8"	36#	522'	12 1/4"	250 sx. Fixatropic & Class G	
5 1/2"	17#	7414'	7 7/8"	600 sx. Class G	
				400 sx. 50-50 Pozmix	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					None		

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

6022-6029.5' - 2 JSPF (Squeezed)  
6645-7229' - 1 JSPF  
7336-7337' - 4 JSPF

\*see Sundry 10/31/79

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6022-7337'	2000 gallons 15% HCL w/4#/gal. J-120 Friction Reducer

33.\* PRODUCTION

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

None

None

Shut-In

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GRAVITY-API (CORR.)

None

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

**RECEIVED**

DEC 14 1979

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

None

35. ~~XXXXXXXXXXXX~~ DIVISION OF

Well was temporarily abandoned before completion - replacement well currently being completed.

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

SIGNED TC Thompson

TITLE Administrative Supervisor

DATE December 4, 1979

\*(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), 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.)

**37. SUMMARY OF POROUS ZONES:**  
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

**38. GEOLOGIC MARKERS**

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Green River	2190'		+2498'
"A" Sand	3497'		+1191'
"A-1" Sand	3655'		+1033'
"B" Sand	3800'		+ 888'
"D" Sand	4895'		- 207'
Wasatch	5465'		- 777'



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  
Conoco Inc.  
 3. ADDRESS OF OPERATOR  
907 Rancho Road, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
1230' FSL, 1410' FEL (SW SE)  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
NA

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

16. NO. OF ACRES IN LEASE  
320

17. NO. OF ACRES ASSIGNED TO THIS WELL  
320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
NA

19. PROPOSED DEPTH  
3,310'

20. ROTARY OR CABLE TOOLS  
--

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4,674'GR 4,688'KB

22. APPROX. DATE WORK WILL START\*  
July 1, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

It is proposed to recomplete the subject well to the Green River. Refer to the completion report submitted December 4, 1979.

The 25 Sx. plug from 990' to 1,190' will be drilled out. A cast iron bridge plug will be set at 4,940' with ~~two~~ sacks of cement on top if the DV tool at 4,949' leaks. A set of squeeze perfs will be made at 3,330' KB with 4 SPF. A 5½" cement retainer will be set at 3,310' KB. 100 sacks of Class G cement will be spotted across the perfs. A second set of squeeze perfs will be made at 3,240' RB with 4 SPF. A packer will be set at 3,220'. 200 sacks of Class G cement will be spotted across the perfs. The upper cement plug will be drilled out to 3,310'.

It is proposed to perforate the Green River "Kicker" Sand with 4 SPF from 3,264' to 3,278'. A 1,000 gallons of MSR-100 15% HCl will be used to breakdown the perforations. Tests and a subsequent report will follow.

No surface disturbance beyond the original location site will be incurred.

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 T.C. Thompson TITLE Administrative Supervisor DATE June 9, 1980

(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE OF OIL, GAS, AND MINING DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_  
 DATE: 7-8-80  
 BY: M.T. Munder JUL 03 1980

\*See Instructions On Reverse Side

April 22, 1981

Conoco Inc.  
907 Rancho Road  
Casper, Wyoming 82601

Re: Well No. #8  
Sec. 33, T. 8S. R. 21E.  
Uintah County, Utah

Gentlemen:

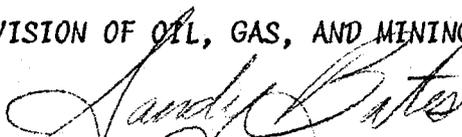
This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well, is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING



SANDY BATES  
CLERK-TYPIST



Production Department  
Casper Division

*STG w.  
Put in well  
file.*

Conoco Inc.  
907 Rancho Road  
Casper, WY 82601  
(307) 234-7311

April 30, 1981

Department of Natural Resources  
Division of Oil, Gas and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Attention: Sandy Bates

Ms. Bates:

Completion Report  
Conoco Duncan Federal 33 No. 8  
SW/SE, Section 33, T8S, R21E  
Uintah County, Utah  
File: PC-410-CF

Attached are the copies of the Completion Report. (Form 9-330) for  
Conoco Duncan Federal 33 No. 8, as requested in your letter dated  
April 22, 1981

Very truly yours,

T. C. Thompson  
Administrative Supervisor

abs

att.

MAY 4 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

15

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

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR  
Conoco Inc.

3. ADDRESS OF OPERATOR  
907 Rancho Road, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1230' FSL, 1410' FEL (SW/SE)

At top prod. interval reported below

At total depth

14. PERMIT NO. 43-047305791 DATE ISSUED \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.

14-20-H62-3701

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

AL-3701

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Conoco Durcan Fed. 33

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Ouray - Wasatch

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

Section 33, T8S, R21E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

15. DATE SPUNDED 6/14/79 16. DATE T.D. REACHED 6/30/79 17. DATE COMPL. (Ready to prod.) 1/26/81 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 4674' GR 4688' KB 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD 7450' 21. PLUG, BACK T.D., MD & TVD 5350' 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS All CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
3264'-3278' Green River "Kicker" sand 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DDL-GR, FDC-CNL-GR, Caliper, BHC-GR, CBL-VDL; GR-CCL after plug back 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
9 5/8"	36#	522'	12 1/4"	250 sacks Fixatropic & Class G	
5 1/2"	17#	7414'	7 7/8"	600 sacks Class G	
				400 sacks 50-50 Pozmix	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
	None				2 7/8"	3260'	3258'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
3264'-3278'	4 JSPF	(61 holes)
	.44" OD	
	19 gm	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3264'-3278'	1000 gal. MSR-100
	15% HCl Acid
	76 balls

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
None	N/A	Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1/26/81	8	(swabbed)	→	Trace	Slight Show	110	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
0		→	Trace	Slight Show	330	

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

35. LIST OF ATTACHMENTS

TSI pending possible use as water disposal well.

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

SIGNED T.C. Thompson TITLE Administrative Supervisor DATE 5/22/81

\*(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 38, 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), 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.)

**37. SUMMARY OF POROUS ZONES:**  
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	MEAS. DEPTH	TOP TRUE VERT. DEPTH
				2190'	+2498'
			Green River	3497'	+1191'
			"A" Sand	3655'	+1033'
			"A-1" Sand	3800'	+ 888'
			"B" Sand	4895'	- 207'
			"D" Sand	5465'	- 777'
			Masatch		

**38. GEOLOGIC MARKERS**

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  
Conoco, Inc.

3. ADDRESS OF OPERATOR  
907 Rancho Road, Casper, Wy 82601

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1230' FSL, 1410' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

5. LEASE  
14-20-H62-3650

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
AL-3701

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Conoco Duncan Fed 33

9. WELL NO.  
8

10. FIELD OR WILDCAT NAME  
Ouray-Wasatch

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 33, T8S, R21E

12. COUNTY OR PARISH | 13. STATE  
Uintah | Ut

14. APL NO.  
43-047-30579

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4674 GR

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"/>

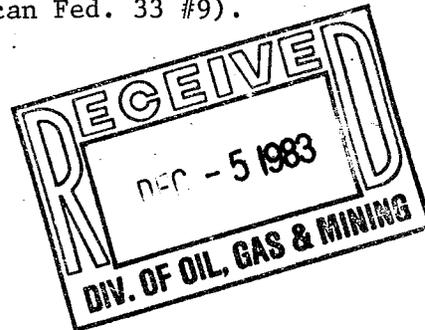
(other) Temporarily abandoned

(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.)\*

Well is abandoned in Wasatch; mechanical problems downhole forced Conoco to drill a replacement well in Wasatch (Duncan Fed. 33 #9).

*Consider as a 51GW  
per Norm 12/9/83*



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

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

SIGNED Jane D. Bonnenberg TITLE Adm. Supervisor DATE 11/15/83

(This space for Federal or State office use)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. LEASE DESIGNATION AND SERIAL NO.  
14-20-H62-3701

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
AL 3701

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.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Conoco-Duncan Fed. 33

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Natural Buttes-Green River

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

Sec. 33, T8S, R21E

12. COUNTY OR PARISH | 13. STATE  
Uintah | Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Conoco Inc.

3. ADDRESS OF OPERATOR  
907 N. Poplar Casper, Wyoming 82601

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

1,230' FSL, 1,410' FEL (SW/SE)

15. ELEVATIONS (Show whether DP, RT, CR, etc.)  
4,674' GL

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.)

Conoco Duncan Federal 33 No. 8 is currently a temporarily abandoned gas producer in the Green River formation. Total depth is 7,450'. The casing is set as follows:

Surface - 9 5/8" @ 522' w/250 sacks cement  
Production - 5 1/2" @ 7,414' w/1,000 sacks cement

A cement retainer is set at 5,350' w/75 sacks cement and another is set at 3,310'. The production casing is perforated from 3,264'-3,278' w/4 JSPF.

It is proposed to permanently plug and abandon the subject well as outlined on the attached procedure.

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

SIGNED

*J. C. Thompson*

TITLE

Administrative Supervisor

DATE

May 22, 1986

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

BLM-Vernal(3)  
UOGCC(2)  
Well File (SJM)

TITLE

Federal approval of this action is required before commencing operations.

\*See Instructions on Reverse Side

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

DATE:

6-2-86

BY:

*John R. Bay*

DUNCAN FEDERAL 33 #8 - P & A PROCEDURE

1. PU retainer, RIH to 3,220' and set retainer.
2. Pump 25 sx Class "G" cement and displace to retainer with 1 bbl. water spacer followed by 9.0 ppg brine.
3. Unsting from retainer and load casing with 9.0 ppg brine to 60'. POOH.
4. PU packer. Set packer at 30' and pressure test casing and retainer 500 psi for 15 min.
5. If pressure test fails, isolate leak with packer and squeeze. If pressure test is OK, L.D. packer.
6. RIH open ended to 90'. Spot 10 sx surface plug and POOH.
7. Bull head 15 sx cement into surface/production casing annulus through 2" nipple tapped and welded into surface casing.  
Note: If access to annulus cannot be attained through tap and weld nipple, cut off both casing strings 6' below ground level and spot plug through 60' of 1" tubing.
8. Cut both casing strings off 6' below ground level and weld on plate.
9. Install regulation dry hole marker and reclaim location.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

TA-GRWS

5. LEASE DESIGNATION AND SERIAL NO.

14-20-H62-3701

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

AL 3701

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug a well, or to alter a reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME

022304

2. NAME OF OPERATOR

Conoco Inc.

8. FARM OR LEASE NAME

Conoco Duncan Fed. 33

3. ADDRESS OF OPERATOR

907 N. Poplar Casper, Wyoming 82601

DIVISION OF

Oil, Gas & Mining

9. WELL NO.

8

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)

At surface

1,230' FSL, 1,410' FEL (SW/SE)

10. FIELD AND POOL, OR WILDCAT

Natural Buttes-Green River

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

Sec. 33, T8S, R21E

14. PERMIT NO.

43-047-30579

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

4,674' GL

12. COUNTY OR PARISH

Uintah

Utah

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.)\*

The subject well was plugged and abandoned on August 9, 1986 as follows:

- Set cement retainer at 3,206'.
- Pumped 35 sacks Class "H" through retainer and spotted 5 sacks on top.
- Pressure tested casing to 500 psi.
- Loaded casing with 9 ppg mud.
- Spotted 15 sack cement plug at 3,100'.
- Spotted 10 sack cement plug at surface.
- Pressure tested surface-production casing annulus to 500 psi.
- Pumped 110 sacks Class "H" in annulus.
- Installed dry hole marker.
- Reclaimed location.

Reseeding should be completed by October 31, 1986, weather permitting.

BLM-Vernal(3) UOGCC(2) Well File (SJM) WIO

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

SIGNED C. Thompson

TITLE Administrative Supervisor

DATE 10-2-86

(This space for Federal or State office use)

APPROVED BY David E. Full

TITLE DISTRICT MANAGER

DATE OCT 24 1986

CONDITIONS OF APPROVAL, IF ANY:

operator

\*See Instructions on Reverse Side

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

status changes.

- 43-047 ✓ 19102 from SOW to PA 4/80 99, ed 13-<sup>20</sup>05 #2 Byllesby.  
1-22-88 Water Supply #20448 from WSW to PA. 2/87 6-25-36 Rogan et al #1  
no file ~~10909 from WSW to PA 10/86 7-23-9 Pearl Producers #3.~~  
filed ~~10579. from TA to PA 9/86 8-21-33 Duncan Rd #3340~~  
✓ 30714 from SOW to WSW 4/80 5-23-10 Cat Creek 18-1A.  
✓ 15375 from SOW to WSW 11/86 10-21-16 Uintah Unit #1  
✓ 15376 from PA to WSW 12/86 10-21-23. Uintah Unit #4  
✓ 15275 from POW to WSW 10/86 7-23-26. RWU 16S.  
✓ 31473 from PA to SOW 8-18-26 Parrett Rd 16-26

from Carol Kubly 5 Oct 87  
789-1388

12-11-87

JOHN - HERE ARE THE FILES FOR THE ABOVE LIST FROM CAROL.

CAN I USE THIS LIST TO CHANGE THE STATUS OR SHD WE REQUEST ADD'L INFO FROM THE OPERATORS?

PLEASE ADVISE!

Vicky C

COMPANY: CONOCO UT ACCOUNT # N0260 SUSPENSE DATE: \_\_\_\_\_

WELL NAME: DUNCAN FED 33-8

API #: A3047 30679

SEC, TWP, RNG: 33 8S 21E

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: DAVID SMYLER MARSHA BYLOW

CONTACT TELEPHONE NO.: 1-307-261-7800

SUBJECT: STATUS OF WELL?

(Use attachments if necessary)

RESULTS: MARSHA WILL GIVE INFO TO CORRECT PERSON  
E SUNDRY WILL BE SENT.

2-11-88 11:15 Marsha will send PA Sundry

(Use attachments if necessary)

CONTACTED BY: 2-11-88

DATE: VC

Photo 307 261-7858

Maasha - Conoco. →

Alunoon Fed 33-8

Impunity shot in  
well has been plugged. 10/86

Sec-33 85/21E Uintah County.

Plugged - 8/9/86

They have copy of Sundry.

RECEIVED  
FEB 18 1988

SUBSEQUENT REPORT OF ABANDONMENT  
. CONDITIONS OF APPROVAL

1. Approval of this Sundry Notice does not relieve Conoco Inc.  
\_\_\_\_\_ of responsibility to rehabilitate the surface in accordance with stipulations prescribed by the surface management agency.
2. You or your authorized representative should inspect the abandoned location prior to notification to this office by Form 3160-5 that the location is ready for final inspection, and note especially that:
  - A. The regulation dry-hole marker bears the correct information as required.
  - B. The rathole and mousehole are filled, not just bridged, and pits are filled and leveled.
  - C. All material and junk are gone. This includes deadmen protruding above ground.
  - D. Reseeding or other required rehabilitation work has been completed.