

STATE OF UTAH

(Other instructions on reverse side)

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

5. Lease Designation and Serial No.

U-56186

6. If Indian, Allottee or Tribe Name

N/A

7. Unit Agreement Name

N/A

8. Farm or Lease Name

DEC Federal

9. Well No.

#1

10. Field and Pool, or Wildcat

Wildcat UNDESIGNATED

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

Sec. 10, T38S-R24E

12. County or Parrish 13. State

San Juan Utah

APPLICATION FOR PERMIT TO DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN OF OIL, GAS & MINING

PLUG BACK

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

2. Name of Operator 303/759-3303

1777 S. Harrison St., PH I

Raymond T. Duncan

Denver, CO 80210

3. Address of Operator 303/322-7878

P.O. Box 44065

Permitco Inc. - Agent

Denver, CO 80201-4065

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

At surface

860' FNL and 1050' FEL

At proposed prod. zone

NE NE

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

29 miles southeast of Monticello, UT

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

270' **

16. No. of acres in lease

3402.00

17. No. of acres assigned to this well

40

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

none

19. Proposed depth

6010'

Chimney Rock

20. Rotary or cable tools

Rotary

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

5109' GR

22. Approx. date work will start*

*Immediately upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	8-5/8"	24#	1750'	Suffic. to circ. to surface
7-7/8"	5-1/2"	15.5#	6010'	400 sx or suffic. to cover zones of interest.

Raymond T. Duncan proposes to drill a well to 6010' to test the Ismay and Desert Creek formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1 attached.

** Raymond T. Duncan has been designated as operator by Yates Petroleum for the acreage within 460' of the wellbore. See Designation of Operator forms attached.

* Must spud prior to December 1, 1987 due to a farmout expiration from Yates Petroleum than cannot be extended.

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. *[Signature]* Consultant for Raymond T. Duncan Date 10/26/87

(This space for Federal or State office use)

Permit No. 43-037-31366 Approval Date

Approved by _____ Title _____ DATE 11-16-87

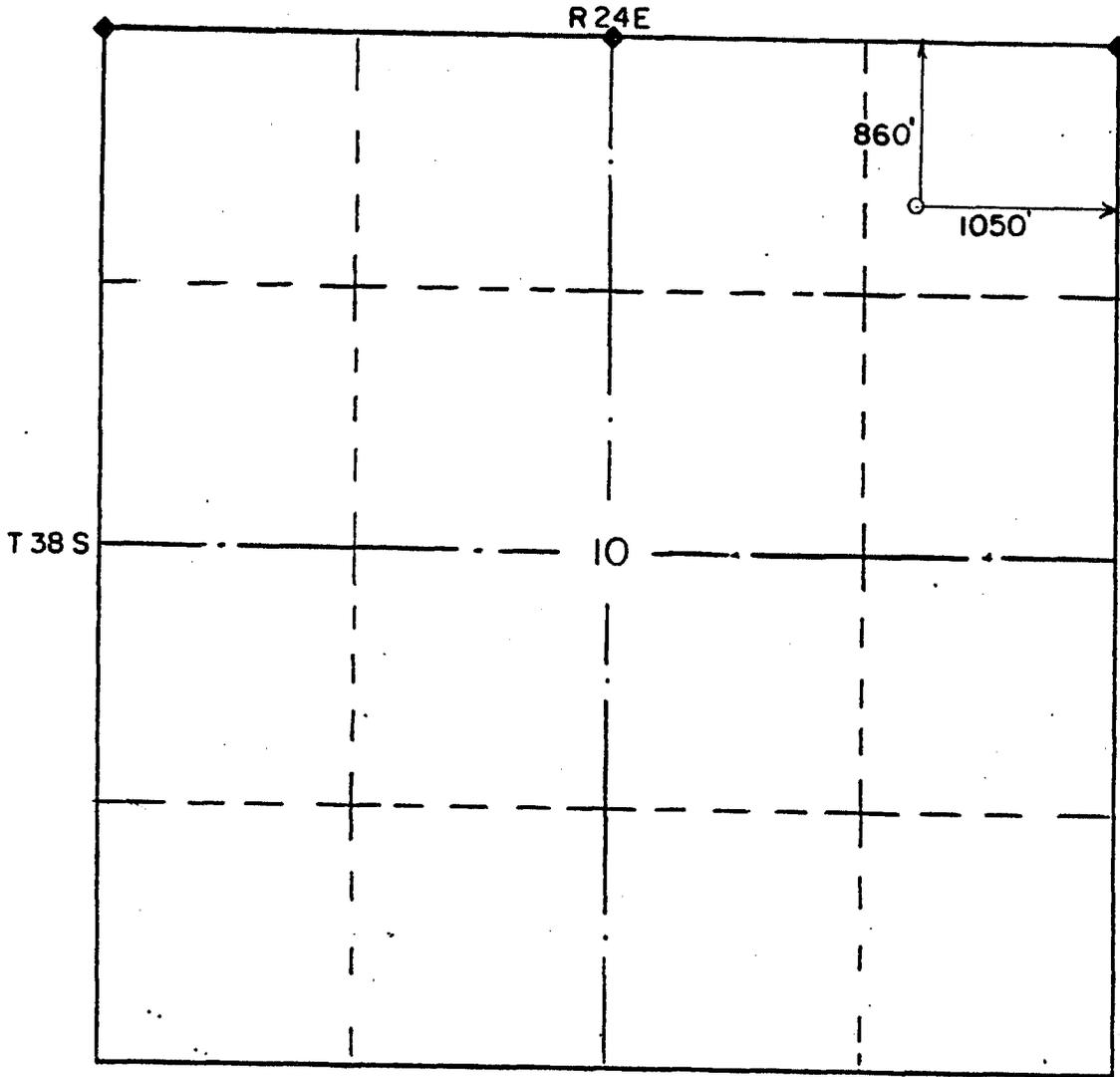
Conditions of approval, if any:

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

BY *[Signature]* WELL SPACING: *RLS-33*

*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT



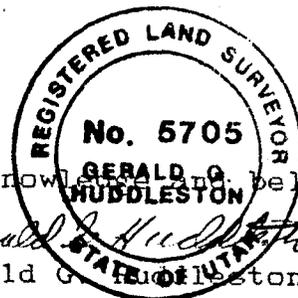
1"=1000'

◆ brass cap

WELL LOCATION DESCRIPTION:
 R.T.Duncan DEC Federal #1
 860' FNL & 1050' FEL
 Section 10, T.38 S., R.24 E., SLM
 San Juan County, Utah
 5109' ground elevation
 Reference: S 20°E, 575' 5119'

RECEIVED
 OCT 28 1987

DIVISION OF
 OIL, GAS & MINING



The above plat is true and correct to my knowledge and belief.

21 October 1987

Gerald G. Huddleston, LS

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: U-56186

RECEIVED
OCT 28 1987

and hereby designates

NAME: Raymond T. Duncan
ADDRESS: Penthouse One, 1777 South Harrison Street
Denver, Colorado 80210

DIVISION OF
OIL, GAS & MINING

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 38 South, Range 24 East
Section 10: N/2
Section 11: W/2
San Juan County, Utah

Bond Coverage under 43 CFR 3104 for lease activities conducted by the above named designated operator is under Bond Number 22-0130-10374-81-9.

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

Peggy A. Yates

(Signature of lessee)

PEGGY A. YATES
105 South Fourth Street
Artesia, New Mexico 88210

(Address)

September 1, 1987

(Date)

ONSHORE OIL & GAS ORDER NO. 1

Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

DEC FEDERAL #1
860' FNL and 1050' FEL
Section 10, T38S - R24E
San Juan County, Utah

Prepared For:

RAYMOND T. DUNCAN

By:

PERMITCO INC.
P.O. Box 44065
Denver, Colorado 80201-4065
303/322-7878

RECEIVED
OCT 28 1987

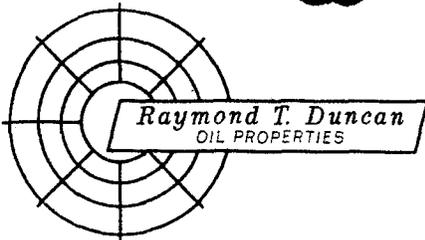
DIVISION OF
OIL, GAS & MINING

Copies Sent To:

- 4 - BLM - Moab, Utah
- 1 - BLM - Monticello, Utah
- 1 - Div. of Oil, Gas & Mining - SLC, Utah
- 3 - Raymond T. Duncan - Denver, CO



Permitco Incorporated
A Petroleum Permitting Company



1777 SOUTH HARRISON STREET · PENTHOUSE ONE
TELEPHONE (303) 759-3303 · DENVER, COLORADO 80210

October 22, 1987

Bureau of Land Management
Oil and Gas Office
136 E. South Temple
Salt Lake City, Utah 84111

Re: DEC Federal No. 1
NE NE Sec. 10-38S-24E
San Juan Co., UT

Gentlemen:

This letter is to inform you that Permitco is authorized to act as Agent and to sign documents on behalf of Raymond T. Duncan when necessary for filing County, State, and Federal permits including Onshore Order No. 1, Right-of-Way applications, etc., for the above captioned well.

It should be understood that Permitco is acting as Agent only in those matters stated above and is not responsible for drilling, completion, production, or compliance with regulations.

Raymond T. Duncan agrees to accept full responsibility for operations conducted in order to drill, complete, and produce the above captioned well.

Very truly yours,
RAYMOND T. DUNCAN

W.S. Fallin

W.S. Fallin
Production Manager

WSF:nr

RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING

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

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 303/759-3303 1777 S. Harrison St., PH 1
 Raymond T. Duncan Denver, CO 80210

3. ADDRESS OF OPERATOR 303/322-7878 P.O. Box #1
 Permitco Inc. - Agent Denver, CO 80201-4065

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface 860' FNL and 1050' FEL
 At proposed prod. zone NE NE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 29 miles southeast of Monticello, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit lne, if any) 270'

16. NO. OF ACRES IN LEASE 3402.0

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

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

19. PROPOSED DEPTH 6010'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5109' GR

22. APPROX. DATE WORK WILL START*
 *Immediately upon approval

5. LEASE DESIGNATION AND SERIAL NO.
 U-56186

6. IF INDIAN, ALLOTTED OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME
 DEC Federal

9. WELL NO.
 #1

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. T. E. M., OR BLK. AND SURVEY OR AREA
 Sec. 10, T38S-R24E

12. COUNTY OR PARISH 13. STATE
 San Juan Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	1750'	Suffic. to circ to surf.
7-7/8"	5-1/2"	15.5#	6010'	400 sx or suffic. to cover zones of interest.

Raymond T. Duncan proposes to drill a well to 6010' to test the Ismay and Desert Creek formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1 attached.

* Must spud prior to December 1, 1987 due to a farmout expiration from Yates Petroleum than cannot be extended.

Please notify Lisa Green at Permitco Inc. or Steve Fallin at Duncan Oil upon approval of this application, so that we may have the opportunity to pick up this permit and begin construction.

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 Lisa Green TITLE Consultant for Raymond T. Duncan DATE October 26, 1987

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

***See Instructions On Reverse Side**

ONSHORE ORDER NO.
Raymond T. Duncan
DEC Federal 1
860' FNL and 1050' FEL
Section 10, T38S - R24E
San Juan County, Utah

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

1. The surface formation and estimated formation tops to be encountered are as follows:

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Dakota	Surface	
Hermosa	4646'	+ 516'
Ismay	5630'	- 468'
Hovenweep	5762'	- 600'
Lower Ismay	5802'	- 640'
Gothic Shale	5848'	- 686'
Desert Creek	5876'	- 714'
Chimney Rock Shale	5952'	- 790'
T.D.	6010'	- 848'

2. The estimated depths at which oil, gas, water or other mineral bearing zones are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>Anticipated Depth</u>
Oil	Ismay	5802'
Oil/Gas	Desert Creek	5876'

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth cased and cemented. All oil and gas shows will be tested to determine commercial potential.

RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING



Permitco Incorporated
A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Raymond T. Duncan
DEC Federal 1
860' FNL and 1050' FEL
Section 10, T38S - R24E
San Juan County, Utah

DRILLING PROGRAM

c. Auxiliary Equipment will be as follows:

1. Kelly cock.
2. Float above the bit.
3. A sub with a full opening valve will be on the floor when the kelly is not in use.
4. Monitoring of the system will be done visually.

5. Drilling fluid will be as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>F/L</u>	<u>PH</u>
0-4400'	Natural	9.0-9.2	28-35	10-20	
4400-T.D.	Chem/Gel	9.5-12.0	45	10 thru pays	

6. Coring, logging and testing programs are as follows:

- a. No cores are anticipated.
- b. The logging program will consist of the following: A Dual Induction will be run from T.D. to base of surface casing. A BHC Acoustic and BHC Density/CNL will be run from T.D. to 4400'. A Dipmeter will be run from T.D. to 5550' if productive or on the edge of the mound.
- c. Drill Stem Tests may be run in the Ismay and Desert Creek formations if shows warrant.

Whether the well is completed as a dry hole or as a producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. If requested, samples (cuttings, fluids, and/or gases) will be submitted when requested by the District Manager.

RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING



Permitco Incorporated
A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Raymond T. Duncan
DEC Federal 1
860' FNL and 1050' FEL
Section 10, T38S - R24E
San Juan County, Utah

DRILLING PROGRAM

- h. If a replacement rig is planned for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergencies, verbal approval can be given by the District Petroleum Engineer.
- i. If the well is successfully completed for production, then the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five business days following the date on which the well is placed on production.
- j. No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5), will be filed with the District Manager, within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration.
- k. Final abandonment will not be approved until surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the San Juan Area Manager or his representative, or the appropriate surface Manager.
- l. Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.
- m. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently beaded-on with a welding torch: Fed, Well number, location by 1/4 1/4 section, township and range, lease number.

RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING

 **Permitco**
Permitco Incorporated
A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Raymond T. Duncan
DEC Federal 1
860' FNL and 1050' FEL
Section 10, T38S - R24E
San Juan County, Utah

DRILLING PROGRAM

- h. If a replacement rig is planned for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergencies, verbal approval can be given by the District Petroleum Engineer.
- i. If the well is successfully completed for production, then the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five business days following the date on which the well is placed on production.
- j. No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5), will be filed with the District Manager, within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration.
- k. Final abandonment will not be approved until surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the San Juan Area Manager or his representative, or the appropriate surface Manager.
- l. Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.
- m. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently beaded-on with a welding torch: Fed, Well number, location by 1/4 1/4 section, township and range, lease number.

RECORDED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING



Permitco Incorporated
A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Raymond T. Duncan
DEC Federal 1
860' FNL and 1050' FEL
Section 10, T38S - R24E
San Juan County, Utah

DRILLING PROGRAM

- n. A first production conference will be scheduled within 15 days after receipt of the first production notice. The San Juan Area Manager will schedule the conference.

RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING

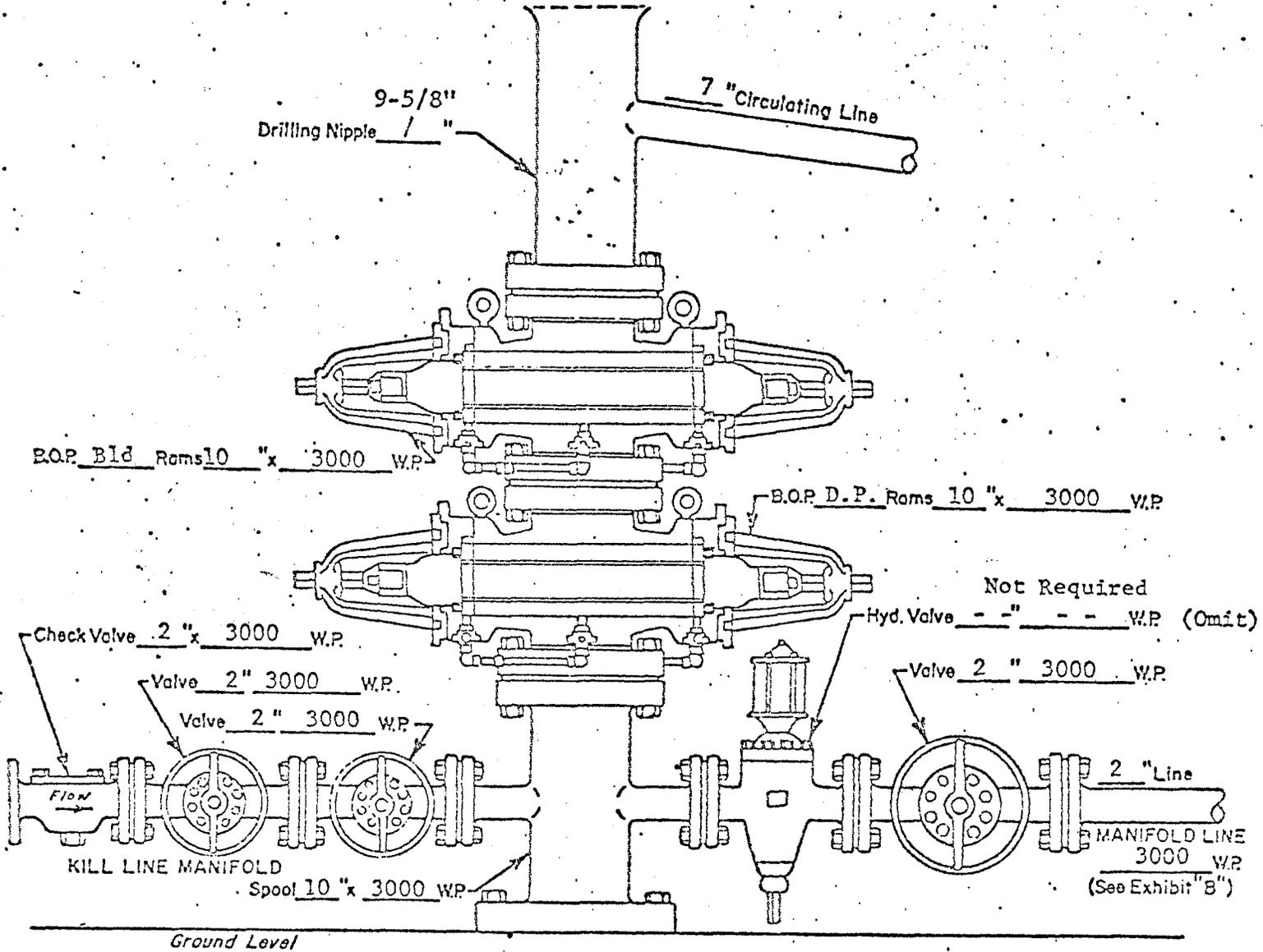


Permitco Incorporated
A Petroleum Permitting Company

WELL NAME: _____

LOCATION : _____

9-5/8" Drilling Nipple / " 7" Circulating Line



WELL HEAD B.O.P.
3000 W.P.

Hydraulic

RECORDED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING

ONSHORE ORDER NO. 1
Raymond T. Duncan
DEC Federal 1
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah

SURFACE USE PLAN

ONSHORE OIL & GAS ORDER NO. 1

Thirteen Point Surface Use Plan

1. Existing Roads

- a. The proposed well site is located 29 miles southeast of Monticello, Utah.
- b. Directions to the location from Monticello, Utah are as follows:

Go north on Highway 191 for 9.1 miles. Turn left (east) onto the Alkali #204 and proceed 2.9 miles in a southeasterly direction to a fork in the road. Turn left and continue on Alkali #204 for 14.4 miles. Turn left on Perkins #206 and proceed easterly 2.5 miles. Turn left onto new access (flagged) and proceed approximately 600' to the location.
- c. The roads in the area are primarily county roads. See Map #1.
- d. Improvement to the existing access will not be necessary.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. An encroachment permit will be obtained from the San Juan County Road Department, 801/587-2231, ext. 43.

2. Planned Access Roads

- a. The last 600 feet will be new access. The road will be flatbladed initially during drilling operations unless weather conditions prohibit.
- b. The maximum total disturbed width will be 30 feet.
- c. The grade will be 5%.

RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING



Permitco Incorporated
A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Raymond T. Duncan
DEC Federal 1
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah

SURFACE USE PLAN

2. Planned Access Roads (cont.)

- d. No turnouts will be installed. No culverts will be needed at this time. Drainage will be installed as needed.
- e. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance by the San Juan Area Manager.
- f. The access road will be water barred or brought to Class III Road Standards within 60 days of dismantling of the drilling rig. If this time frame cannot be met, the San Juan Area Manager will be notified so that temporary drainage control can be installed along the access road.
- g. The Class III Road Standards which ensure drainage control over the entire road through the use of natural, rolling topography; ditch turnouts; drainage dips; outsloping; crowning; low water crossings; and culverts will be determined at the appropriate field inspection.

3. Location of Existing Wells Within a 1-Mile Radius of the Proposed Location. (See Map #2).

- a. Water Wells - none
- b. Injection or disposal wells - none
- c. Producing Wells - one
- d. Drilling Wells - none

4. Location of Tank Batteries and Production Facilities.

- a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities

RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING



Permitco Incorporated
A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Raymond T. Duncan
DEC Federal 1
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah

SURFACE USE PLAN

4. Production Facilities (cont.)

schedules. A copy of the meter calibration reports will be submitted to the Moab District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply

- a. All water needed for drilling purposes will be obtained from a private source.
- b. Water will be trucked to location over the county roads in the area.
- c. No water well is to be drilled on this lease.
- d. Use of water for this operation will approved by obtaining a temporary use permit from the Utah State Engineer, 801/637-1303, and by receiving permission from the land owner or surface management agency to use the land containing the water source.

6. Source of Construction Material

- a. Road surfacing material will be obtained from a commercial source. Pad construction material will be native.
- b. The use of materials under BIM jurisdiction will conform to 43 CFR 3610.2-3.

7. Methods for Handling Waste Disposal

- a. The reserve pit will not be lined unless pourous material is encountered. At least half the capacity will be in cut.
- b. Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING



Permitco Incorporated
A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Raymond T. Duncan
DEC Federal 1
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah

SURFACE USE PLAN

7. Methods for Handling Waste Disposal (cont.)

- c. A trash pit will be constructed near the mud tanks and dug at least six feet into solid, undisturbed material. It will be totally enclosed with a fine wire mesh before the rig moves in. The road and pad will be kept litter free. If a trash cage is used, its contents will be hauled to an approved landfill.
- d. A burning permit is required for burning trash between May 1 and October 31. This will be obtained from the San Juan County Sheriff at (801) 587-2237 if operations should extend past May 1st.
- e. Produced waste water will be confined to a unlined pit for a period not to exceed 90 days after initial production. During the 90-day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

8. Ancillary Facilities

- a. There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

9. Well Site Layout

- a. See Diagram #2 for rig layout. See Diagram #3 for cross section of drill pad. See Diagram #4 for cuts and fills.
- b. The location of mud tanks; reserve, burn and trash pits; pipe racks; living facilities and soil stockpiles will be shown on Diagram #2 and #4. The location will be laid out and constructed as discussed during the predrill conference.
- c. The top 3-4 inches of soil material will be removed from the location and stockpiled separate from the trees on the northeast and southwest sides of the location as shown on Diagram #4. Topsoil along the access will be reserved in place.

RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING



Permitco Incorporated
A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Raymond T. Duncan
DEC Federal 1
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah

SURFACE USE PLAN

9. Wellsite Layout (cont.)

d. Access to the well pad will be from the northeast.

10. Reclamation

a. Immediately upon completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of two feet of compacted soil.

b. The operator or his contractor will contact the San Juan Resource Area office in Monticello, Utah (801/587-2141) 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

c. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

d. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.

e. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12 inches deep with the contour.

f. Water bars will be built as follows to control erosion.

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 Feet
2-4%	Every 100 Feet
4-5%	Every 75 Feet
5+%	Every 50 Feet

g. Seed will be broadcast between October 1 and February 28 with the following prescription. A harrow or similar implement will be dragged over the area to assure seed cover.

RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING



Permitco Incorporated
A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Raymond T. Duncan
DEC Federal 1
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah

SURFACE USE PLAN

10. Reclamation of Surface (cont.)

6 lbs/acre Crested wheatgrass (*Agropyron desertorum*)
3 lbs/acre Fourwing saltbush (*Atriplex canenscens*)
1/2 lbs/acre Yellow Sweet Clover

- h. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.
- i. The reserve pit and that portion of the location and access road not needed for production and production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

11. a. Surface Ownership

Federal

b. Mineral Ownership

Federal

12. Other Information

- a. There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.
- b. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.
- c. The dirt contractor will be provided with an approved copy of the surface use plan.

RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING



Permitco Incorporated
A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Raymond T. Duncan
DEC Federal 1
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah

SURFACE USE PLAN

12. Other Information (cont.)

- d. If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All people who are in the area will be informed by the operator that they are subject to prosecution for disturbing archeological sites or picking up artifacts. Salvage or excavation of identified archeological sites will be done by a BLM approved archeologist only if damage occurs.
- e. This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.
- f. An archeological study was conducted by LaPlata Archeological Consultants. No significant cultural resources were found and clearance is recommended. A copy of this report will be submitted directly by LaPlata Archeological Consultants.
- g. Your contact with the District Office is: Steve Jones, 801/259-6111, P.O. Box 970, Moab, Utah 84532.

The Resource Area Manager's address is P.O. Box 7, Monticello, Utah 84532. Your contact is Richard McClure, 801/587-2141.

13. Lessee's or Operator's Representative and Certification

Permit Matters

PERMITCO INC.
Lisa L. Green
P.O. Box 44065
Denver, CO 80201-4065
303/322-7878

Drilling & Completion Matters

RAYMOND T. DUNCAN
1777 S. Harrison St.
Penthouse 1
Denver, CO 80210
303/759-3303 (W) -
303/733-3604 (H) - John Bettridge

RECEIVED
OCT 28 1987

VISION OF
OIL, GAS & MINING



Permitco Incorporated
A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Raymond T. Duncan
DEC Federal 1
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah

SURFACE USE PLAN

Certification

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

This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

October 26, 1987
Date:



Lisa L. Green - PERMITCO INC.
Authorized Agent for:
RAYMOND T. DUNCAN

RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING



Permitco Incorporated
A Petroleum Permitting Company

R24E

N

T
38
S

To Blanding &
Monticello, UT

Perkins #206

Drill Hole
5375

ALKALI
16

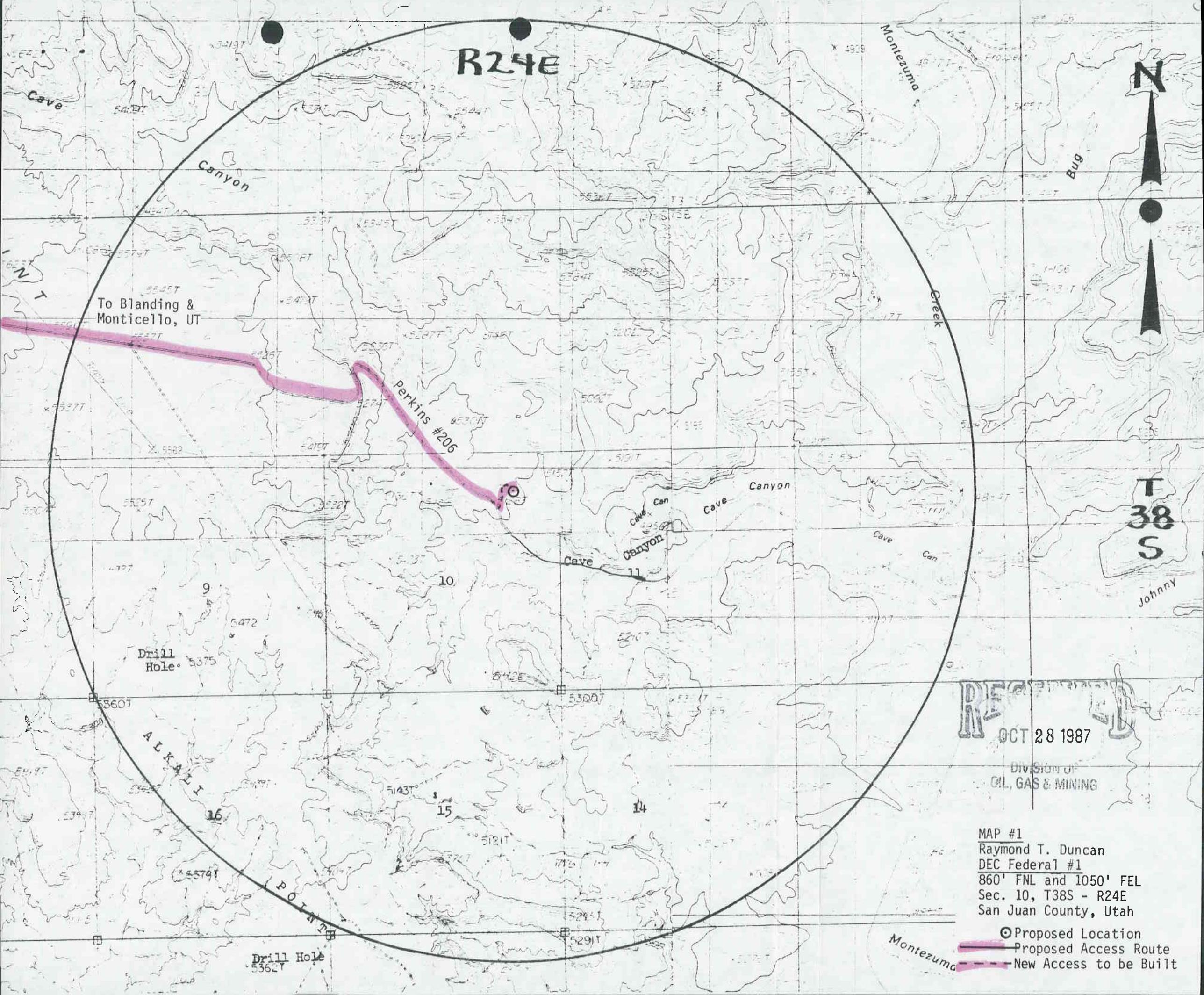
Drill Hole
5362T

RECORDED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING

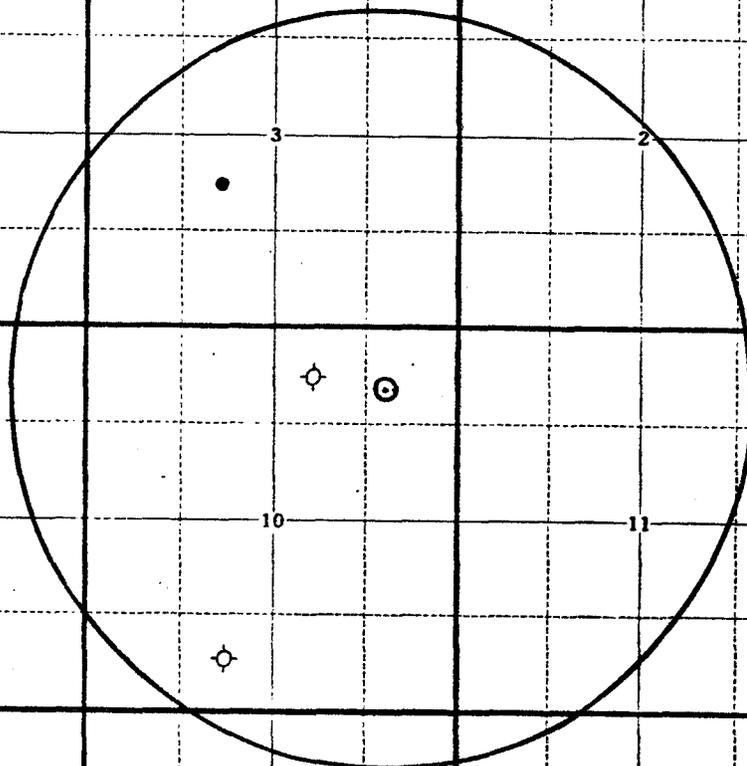
MAP #1
Raymond T. Duncan
DEC Federal #1
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah

- ⊙ Proposed Location
- Proposed Access Route
- New Access to be Built



R24E

N



T

38
S

RECEIVED
OCT 28 1987

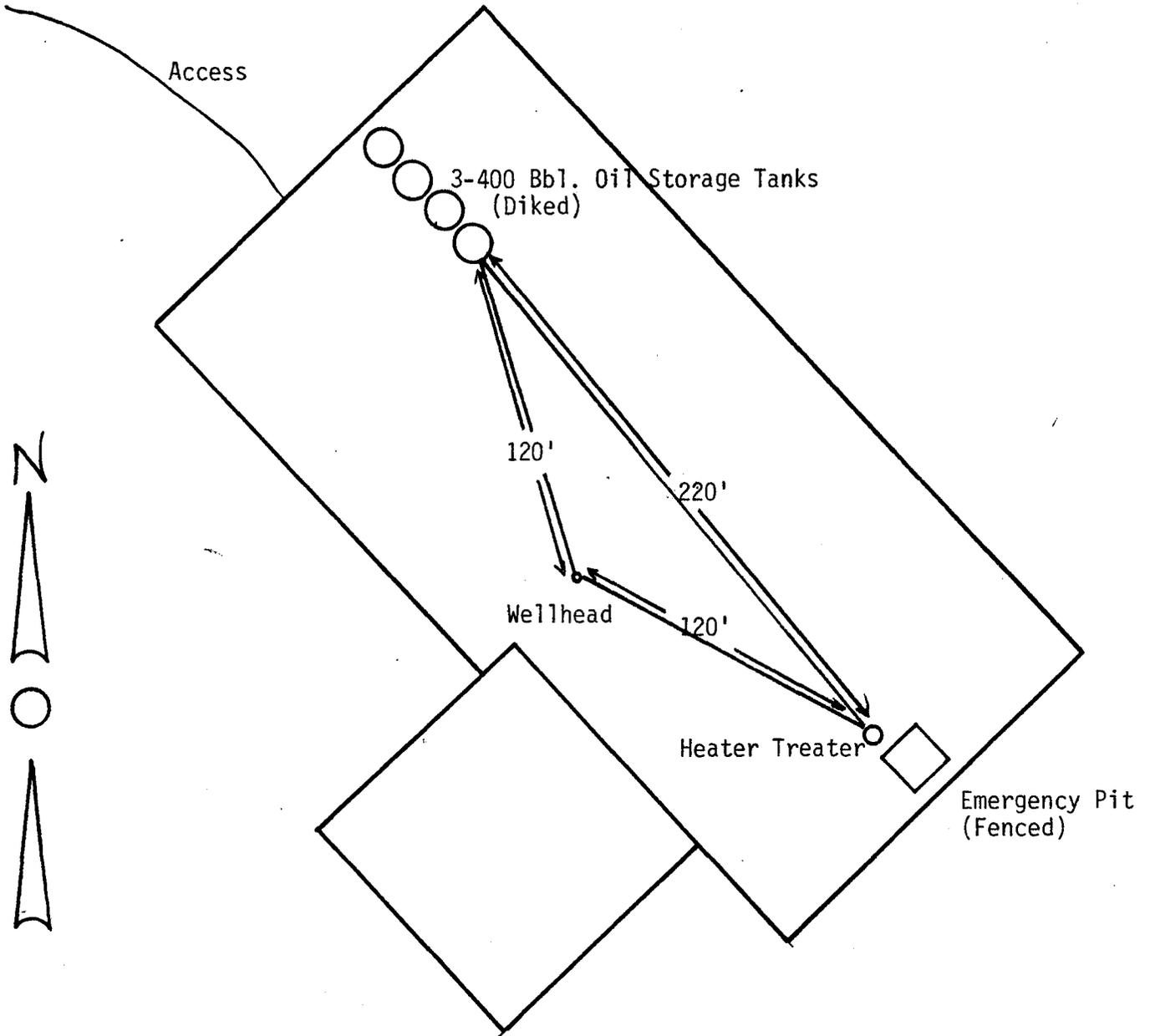
MAP #2
Raymond T. Duncan
DEC Federal #1
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah

- Proposed Location
- Producing Wells
- ◇ Dry Holes

Scale: 1" = 50'

D... AM #1
Production Facility Layout

Raymond T. Duncan
DEC Federal #1
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah

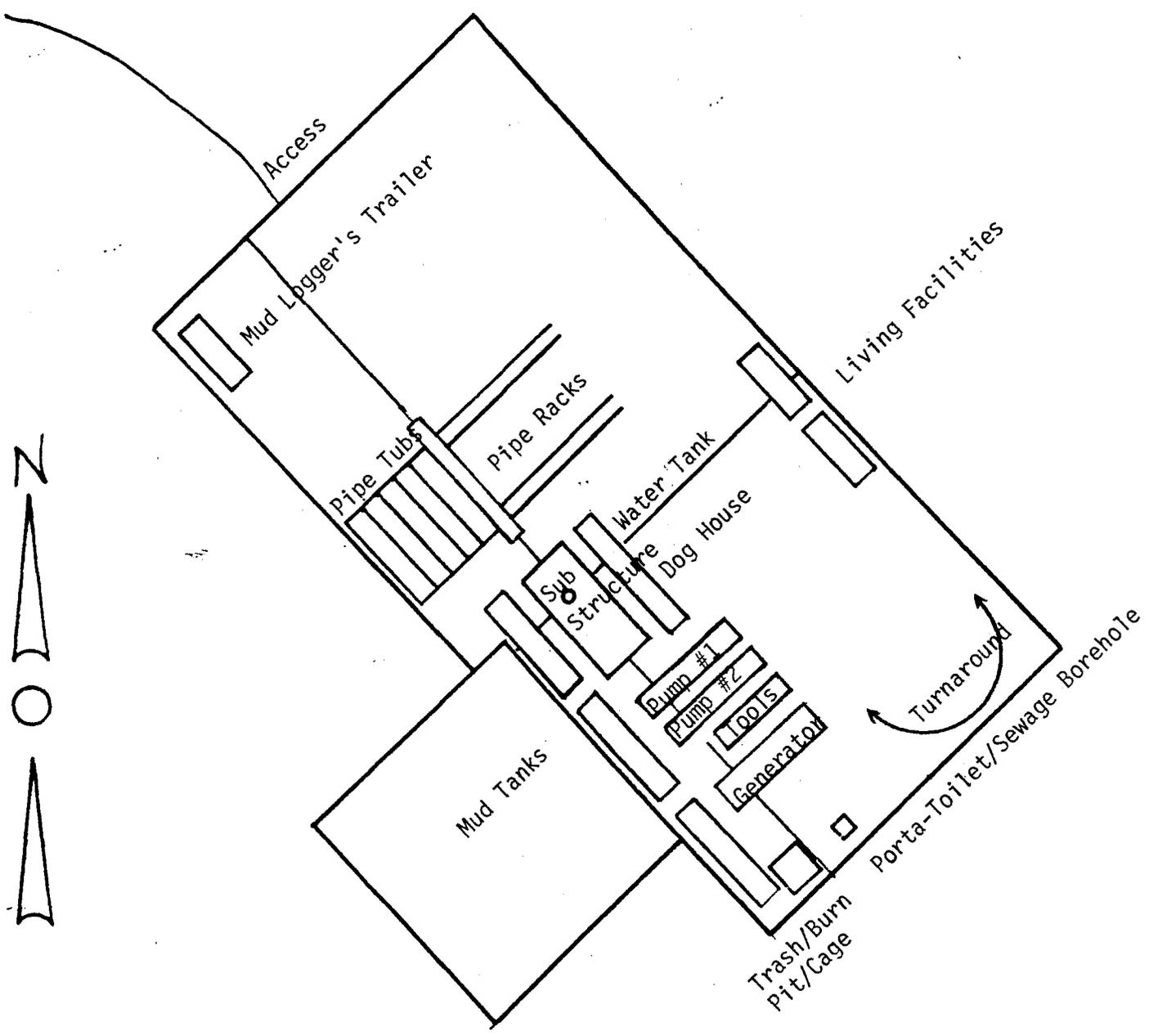


RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING

Scale: 1" = 60'

DIAGRAM #2
Rig Layout
Raymond T. Duncan
DEC Federal #1
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah



RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING

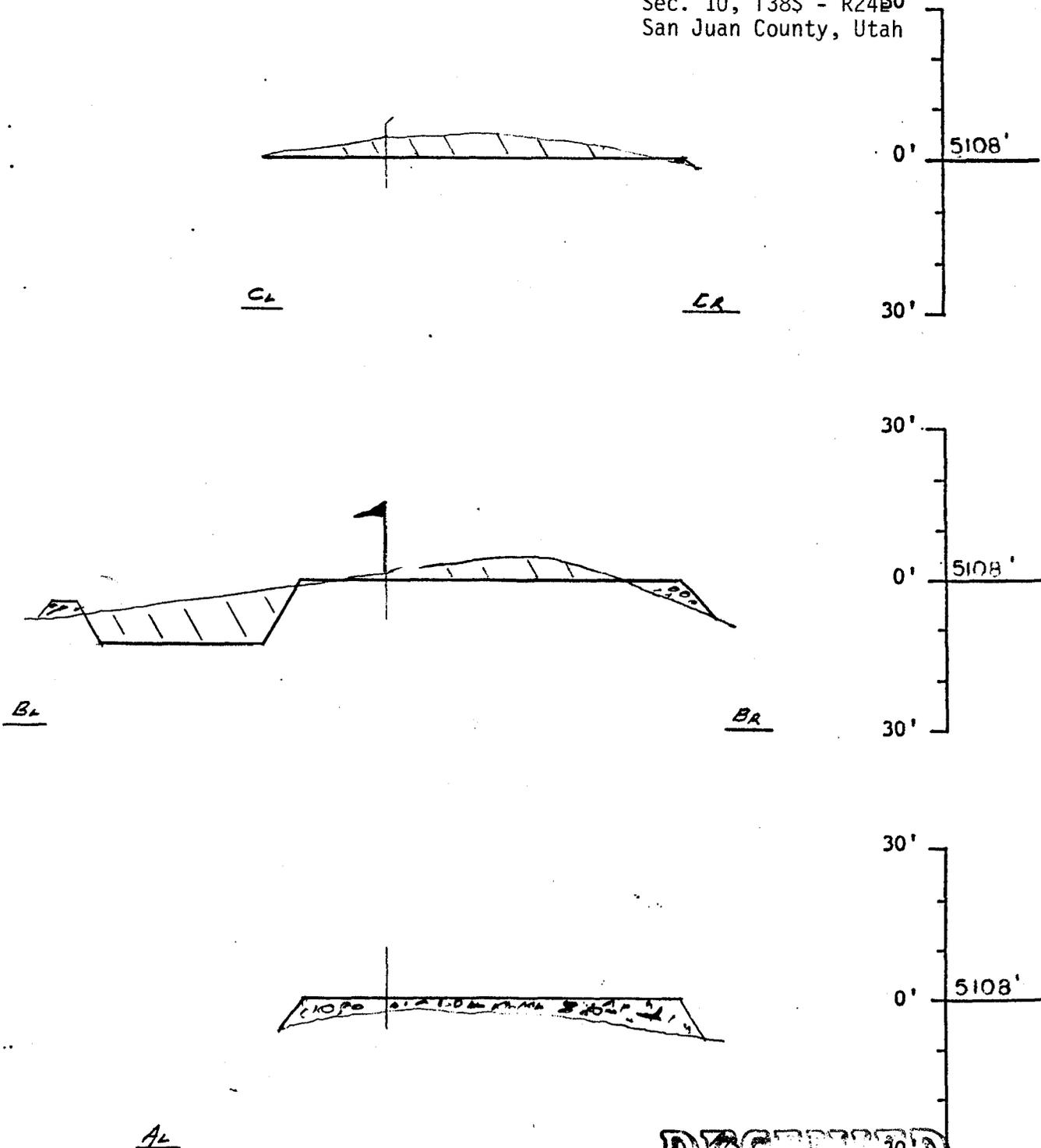
WELL PAD CROSS-SECTION

DEC Federal #1

Cut 
Fill 

Scales: 1" = 60' H.
1" = 30' V.

DIAGRAM #3
Raymond T. Duncan
DEC Federal #1
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah

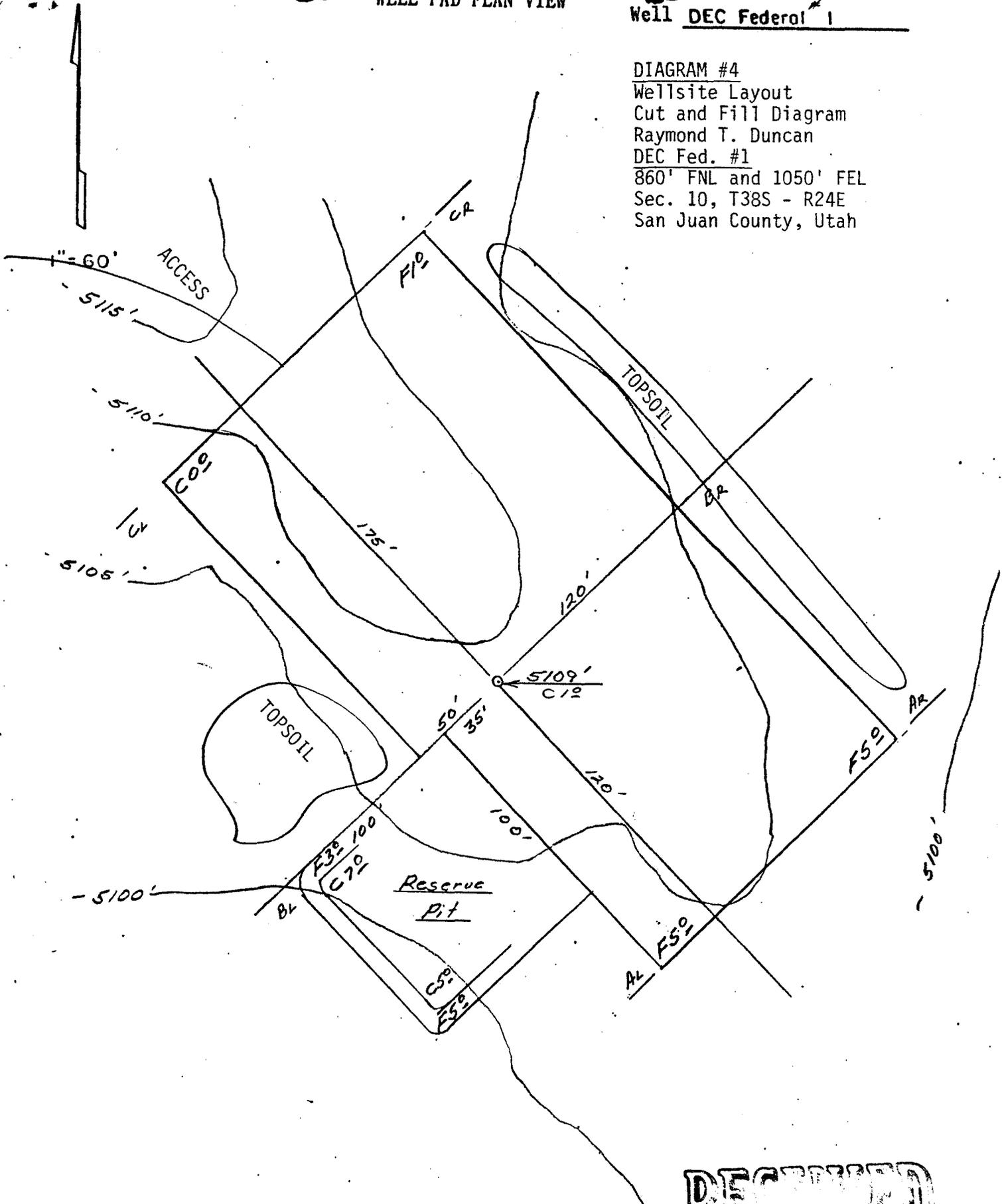


RECORDED
OCT 28 1987

WELL PAD PLAN VIEW

Well DEC Federal #1

DIAGRAM #4
Wellsite Layout
Cut and Fill Diagram
Raymond T. Duncan
DEC Fed. #1
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah



RECEIVED
OCT 28 1987

DIVISION OF
OIL, GAS & MINING

111727

OPERATOR Raymond T. Hanson DATE 10-28-87

WELL NAME Dec Federal #1

SEC NE NE 10 T 38S R 24E COUNTY San Juan

43-037-31366
API NUMBER

Fed
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well in Sec. 10
Prod water permit - Rec 11/5/87
Prod op. lic. - Rec 11/12/87

CONFIDENTIAL
PERIOD
EXPIRED
ON 3-10-89

APPROVAL LETTER:

SPACING: R615-2-3 _____ UNIT _____ R615-3-2

_____ CAUSE NO. & DATE _____ R615-3-3

STIPULATIONS:

None

8. List any other water rights which will supplement this application None that will be used by Raymond T. Duncan

9. NATURE AND PERIOD OF USE

Irrigation: From _____ to _____
Stockwatering: From _____ to _____
Domestic: From _____ to _____
Municipal: From _____ to _____
Mining: From _____ to _____
Power: From _____ to _____
Other: From Nov. 15, 1987 to April 30, 1987 (for a total of 30 days during the above dates.)

10. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons
Municipal (name): _____
Mining: _____ Mining District in the _____ Mine
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Oil & Gas drilling operations

11. PLACE OF USE

Legal description of place of use by 40 acre tract(s): _____
DEC Federal #1 wellsite
860' FNL and 1050' FEL (NE NE)
Section 10, T38S- R24E
San Juan County, Utah
S. 860 ft. & W. 1050 ft. from NE Cor. Sec. 10, T38S, R24E, SLB&M, (NE 1/4 NE 1/4)
(8 miles North of Hatch Trading Post) Monument Canyon Quad

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of same size if necessary): _____

The surface at the drillsite is owned by the Bureau of Land Management, the minerals are owned by the Federal Government and the extraction rights to Federal Lease No. U-56186 are owned by Yates Petroleum of which Raymond T. Duncan has been designated as operator.

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Raymond T. Duncan
Signature of Applicant(s)

STATE ENGINEER'S ENDORSEMENT

WATER RIGHT NUMBER: 09 - 1544

APPLICATION NO. T62947

1. October 30, 1987 Application received.
 2. October 30, 1987 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated November 3, 1987, subject to prior rights and this application will expire on November 3, 1988.


Robert L. Morgan, P.E.
State Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-56186	
B. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Raymond T. Duncan		7. UNIT AGREEMENT NAME N/A	
3. ADDRESS OF OPERATOR Permitco Inc. - Agent		8. FARM OR LEASE NAME DEC Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 860' FNL and 1050' FEL At proposed prod. zone NE NE		9. WELL NO. #1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 29 miles southeast of Monticello, UT		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 270'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10, T38S-R24E	
16. NO. OF ACRES IN LEASE 3402.0		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE Utah	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. none		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5109' GR		22. APPROX. DATE WORK WILL START* *Immediately upon approval	
23. PROPOSED CASING AND CEMENTING PROGRAM			

RECEIVED
NOV 06 1987

DIVISION OF
OIL, GAS & MINING

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

24. SIGNED [Signature] TITLE Consultant for Raymond T. Duncan DATE October 26, 1987

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY /S/ GENE NODINE TITLE District Manager DATE NOV 03 1987

CONDITIONS OF APPROVAL, IF ANY:

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

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

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

(Other instructions on reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. Lease Designation and Serial No. U-56186

6. If Indian, Allottee or Tribe Name N/A

7. Unit Agreement Name N/A

8. Farm or Lease Name DEC Federal

9. Well No. #1

10. Field and Pool, or Wildcat Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area Sec. 10, T38S-R24E

1. Type of Work
 DRILL DEEPEN PLUG BACK

2. Name of Operator Raymond T. Duncan 1777 S. Harrison St., PH I
303/759-3303 Denver, CO 80210

3. Address of Operator Permitco Inc. - Agent P.O. Box 44065
303/322-7878 Denver, CO 80201-4065

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
 At surface 860' FNL and 1050' FEL

At proposed prod. zone NE NE

14. Distance in miles and direction from nearest town or post office*
29 miles southeast of Monticello, UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. line, if any) 270' **

16. No. of acres in lease 3402.00

17. No. of acres assigned to this well 40

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. none

19. Proposed depth 6010'

20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.) 5109' GR

22. Approx. date work will start* *Immediately upon approval

23. **PROPOSED CASING AND CEMENTING PROGRAM**

RECEIVED
NOV 06 1987
DIVISION OF
OIL, GAS & MINING

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

24. [Signature] Consultant for
 Signed: Raymond T. Duncan Title: Raymond T. Duncan Date: 10/26/87
 (This space for Federal or State office use)

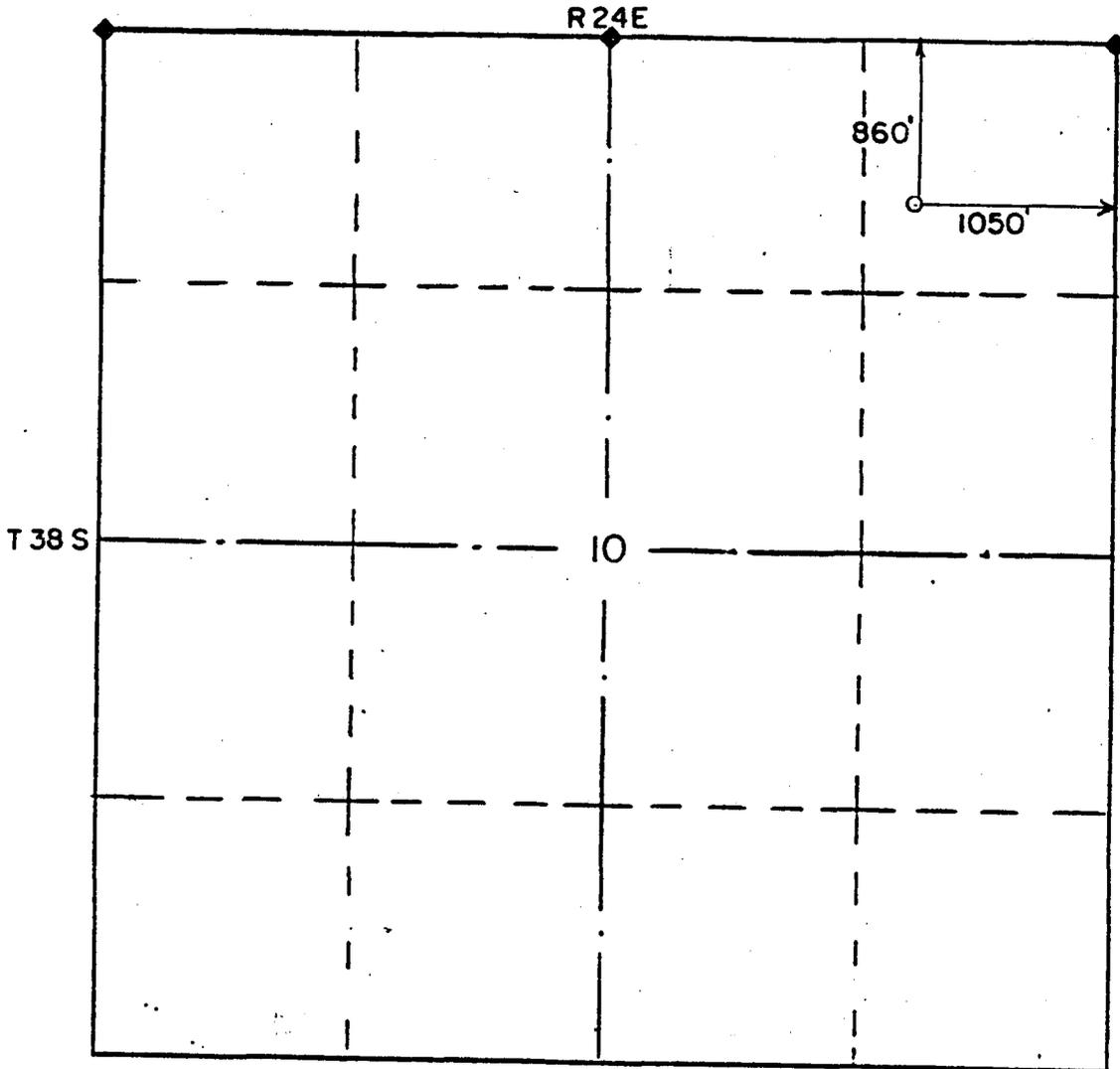
Permit No. Approval Date

Approved by Title Date

Conditions of approval, if any:

*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT



1"=1000'
 ◆ brass corner

WELL LOCATION DESCRIPTION:
 R.T. Duncan DEC Federal #1
 860' FNL & 1050' FEL
 Section 10, T.38 S., R.24 E., SLM
 San Juan County, Utah
 5109' ground elevation
 Reference: S 20° E, 575' 5119'

The above plat is true and correct to my knowledge and belief.

21 October 1987

REGISTERED LAND SURVEYOR
 No. 5705
 GERALD G. HUDDLESTON
Gerald G. Huddleston
 Gerald G. Huddleston, LS

Raymond T. Duncan
Well No. DEC Federal #1
Sec. 10, T. 38 S., R . 24 E.
San Juan County, Utah
Lease U-56186

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Raymond T. Duncan is the bonded entity on this application. Liability will remain with the bonded party named above until we are formally notified by letter of the new bonded entity in reference to this Application for Permit to Drill.

A. DRILLING PROGRAM

Required verbal notifications are summarized in Table I, attached. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM, Moab District Office, P. O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.2.

B. THIRTEEN POINT SURFACE USE PLAN

Location of Tank Batteries and Production Facilities:

All permanent (on site for 6 months or longer) above ground facilities (including pump jacks) will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5-State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The color will be neutral to match the rocks.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the largest tank of the battery.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place before any deliveries. Tests for meter accuracy will be conducted monthly for the first 3 months on new meter installations and at least quarterly thereafter. The San Juan Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the San Juan Area Manager. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

NOTIFICATIONS

Notify the San Juan Resource Area, at (801) 587-2141 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

1 day prior to running and cementing surface casing;

1 day prior to pressure testing of BOPE and/or surface casing.

Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed.

Steven Jones, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-7404

Lynn Jackson, Chief, Branch of Fluid Minerals

Office Phone: (801) 259-6111

Home Phone: (801) 259-7990

Paul Brown, I&E Coordinator

Office Phone: (801) 259-6111

Home Phone: (801) 259-7018

24 hours advance notice is required for all abandonments.



November 10, 1987

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Attn: Arlene

Re: Raymond T. Duncan
DEC Federal #1.
860' FNL and 1050' FEL
Sec. 10, T38S - R24E
San Juan County, Utah

Dear Arlene:

This letter is to serve as our request for an exception location on the above mentioned well. This well was staked and permitted at a non-standard location due to seismic and archeological considerations.

Raymond T. Duncan is the lease holder, or has been designated as operator, of all the acreage within a 460' radius of the wellsite.

If you should need additional information, please feel free to contact me.

Sincerely,

PERMITCO INC.

Lisa L. Green
Consultant for
Raymond T. Duncan

cc: R.T. Duncan
Steve Fallin

Permitco Incorporated
A Petroleum Permitting Company

PO. Box 44065
Denver, Colorado 80201-4065
(303) 322-7878



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 16, 1987

Raymond T. Duncan
1777 S. Harrison Street, PH 1
Denver, Colorado 80210

Gentlemen:

Re: DEC Federal #1 - NE NE Sec. 10, T. 38S, R. 24E
860' FNL, 1050' FEL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, Oil and Gas Conservation General Rules.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2
Raymond T. Duncan
DEC Federal #1
November 16, 1987

6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31366.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

010603

SPUDDING INFORMATION

API #43-037-31366

NAME OF COMPANY: RAYMOND T DUNCAN

WELL NAME: DEC Federal 1

SECTION NE NE 10 TOWNSHIP 38S RANGE 24E COUNTY San Juan

DRILLING CONTRACTOR Coleman

RIG # 4

SPUDDED: DATE 11-30-87

TIME 3:30 AM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY _____

TELEPHONE # _____

DATE 12-30-87 SIGNED AS

COMPANY: DUNCAN EXPLORATION

UT ACCOUNT # N0360 SUSPENSE DATE: 122101 Orl.

WELL NAME: DEC FED #1

API #: 4303731366

SEC, TWP, RNG: 10 38S 24E

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: SHIRLEY WILL

CONTACT TELEPHONE NO.: 303-759-3303

SUBJECT: WELL LOG MARKED "TIGHT HOLE" BUT FILE NOT CONFIDENTIAL.

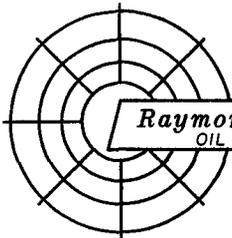
(Use attachments if necessary)

RESULTS: GEOLOGIST INDICATED WELL FILE & LOGS SHOULD BE HELD
CONFIDENTIAL. THEY WILL SEND WRITTEN REQUEST. HOLD CONF,
UNOFFICIALLY, FOR A FEW DAYS.

(Use attachments if necessary)

CONTACTED BY: UC

DATE: 12-18-87



Raymond T. Duncan
OIL PROPERTIES

1777 SOUTH HARRISON STREET • PENTHOUSE ONE
TELEPHONE (303) 759-3303 • DENVER, COLORADO 80202

RECEIVED
DEC 28 1987

DIVISION OF
OIL, GAS & MINING

December 23, 1987

State of Utah
Oil & Gas Conservation Commission
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

Re: DEC Federal No. 1
SW NE Sec. 10, T38S, R24E
San Juan County, Utah

Gentlemen:

Enclosed is the sundry notice for the Subsequent Report of
Abandonment for the above captioned well.

Please contact me if you have any questions or need additional
information.

Very truly yours,

RAYMOND T. DUNCAN

J. A. Bettridge Inv
J. A. Bettridge
Operations Superintendent

JAB:nr
Enclosures

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS OF WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO. U-56186
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
 7. UNIT AGREEMENT NAME N/A
 8. FARM OR LEASE NAME DEC Federal
 9. WELL NO. 123030
 10. FIELD AND POOL, OR WILDCAT Wildcat
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10, T38S, R24E
 12. COUNTY OR PARISH San Juan
 13. STATE UT

DEC 28 1987

DIVISION OF OIL, GAS & MINING

1. OIL WELL GAS WELL OTHER
 2. NAME OF OPERATOR Raymond T. Duncan
 3. ADDRESS OF OPERATOR 1777 So. Harrison St., P-1, Denver, Co 80210
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
 At surface 860' FNL and 1050' FEL (NE NE)
 14. PERMIT NO. 43-037-31366
 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5109' GR

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

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

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.)*

Subject well was plugged at 8:00 A.M. 12/14/87 after approval received from Lynn Jackson of Moab BLM. Rig was released at 12:01 P.M. Plugs were set as follows:

4550'-4550'	- 40 sx	Log Tops	
1800'-1700'	- 50 sx		
50' - surf	- 20 sx		
		Akha	5939'
		Chimey	5905'
		Lower Desert Creek	5835'
		Desert Creek	5817'
		Gothic Shale	6306'
		Lower Ismay	5530'
		Upper Ismay	5572'
		Hermosa	4578'
		Douche	2522'-2560'

The location will be restored per BLM Requirements. A sundry notice will be sent once this work is completed.

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

SIGNED J. A. Bettridge TITLE Operations Superintendent DATE 12/16/87
 (This space for Federal or State office use)

APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY:

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

DATE: 12-29-87

*See Instructions on Reverse Side BY John R. Bay

DUNCAN EXPLORATION COMPANY
DEC FEDERAL NO. 1
NE NE SECTION 10, T38S, R24E
SAN JUAN COUNTY, UTAH

43-037-31366-PA

WELLSITE GEOLOGY: Jim Holst
Intermountain Wellsite Geologists
P. O. Box 4007
Casper, Wyoming 82604
(307) 266-2009

RECEIVED
JAN 05 1988

DIVISION OF
OIL, GAS & MINING

TABLE OF CONTENTS

GENERAL INFORMATION

Well Data.	1
Well Locations in the Prospect Area.	3
Base Map of the Prospect Area.	4
Well Drilling Chronology	5
Breakdown of Rig Time.	7
Summary Drilling Data.	8
Bit Record	9
Survey Data.	10
Depth Corrections.	10
Mud Data	11

FORMATION TOPS AND E-LOG DATA

Formation Tops	12
Structural/Stratigraphic Comparison W/Offsets.	13
Log Suite.	14
Evaluation of Log Quality.	14
Log Calculations	14

SAMPLE DESCRIPTIONS

Forward to Sample Descriptions	15
Sample Descriptions.	15

SUMMARY

Prospect Overview.	21
Formation Summary.	21
Post-Drilling Comments	22

WELL DATA

OPERATOR: Duncan Exploration Company
1777 South Harrison St., Penthouse 1
Denver, Colorado 80210
(303) 759-3303
Company Geologist: Bob Lentz

WELL NAME: DEC Federal No. 1

WELL LOCATION: NE NE 860' FNL & 1050' FEL Section 10
T38S, R24E
San Juan County, Utah

SPUD DATE: November 30, 1987

DATE DRILLING COMPLETED: December 9, 1987

ELEVATIONS: Ground Level: 5014'
Kelly Bushing: 5118'

SURFACE CASING: 8 5/8" surface casing set at 1751'

OPEN HOLE SIZE: 7 7/8"

TOTAL DEPTH: Driller: 5958'
Logger: 5959'

DRILLING CONTRACTOR: Coleman Drilling, Rig No. 4
P. O. Box 3337
Farmington, N.M. 87499
(505) 325-6892
Toolpusher: Don Bestal

DRILLING SUPERVISION: J.A. (Arkie) Browning)
P. O. Box 1058
Cortez, Colorado 81321
(303) 565-8806

DRILLING MUD: Mustang Drilling Fluids
2557 East 3760 South
Vernal, Utah 84078
(801) 789-0533
Engineer: Carroll Hart

DRILL STEM TESTING: No drill stem tests

WIRELINE LOGS: Schlumberger Well Services
P. O. Box 250
Farmington, N.M. 87401
(505) 325-5006
Engineers: Pete Howard
Vance Avres

WELLSITE GEOLOGY:

Intermountain Wellsite Geologists
P. O. Box 4007
Casper, Wyoming 82604
(307) 266-2009
Geologist: Jim Holst

SAMPLES:

10' samples 4000' to T.D.
Dry cut samples sent to:
Amstrat Stratigraphic
6280 E. 38th Avenue
Denver, Colorado 80207

PRESENT WELL STATUS:

Well plugged and location abandoned

WELL LOCATIONS IN PROSPECT AREA

Township 38 South, Range 24 East, San Juan County, Utah

Section 3

- * ● R.T. Duncan #3-2 Cave Canyon 1925' FSL, 1925' FWL NE SW
- R.T. Duncan #3-1 Cave Canyon 2140' FNL, 200' FWL SW NW

Section 4

- R.T. Duncan #1 Wells 500' FNL, 500' FEL NE NE
- R.T. Duncan #4-2 Cave Canyon 1820' FNL, 1860' FEL SW NE

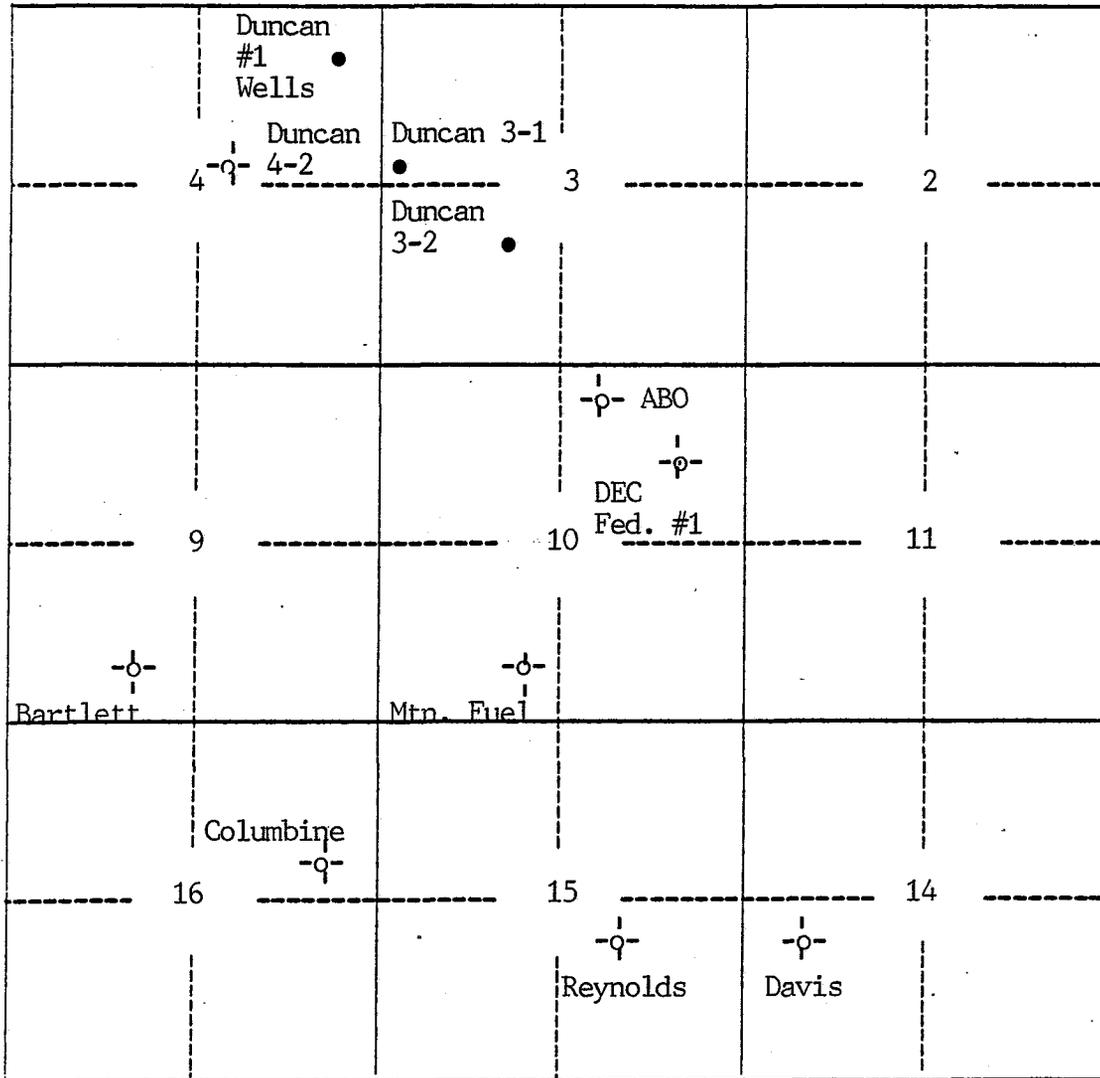
Section 10

- Duncan DEC Fed. #1 860' FNL, 1050' FEL NE NE
- * -○- ABO Pet Arabian Fed. #1 460' FNL, 1800' FEL NW NE

* Locations used for correlation and comparisons

BASE MAP OF PROSPECT AREA

R24E



SAN JUAN COUNTY, UTAH

WELL DRILLING CHRONOLOGY

NOTE: Days are described here and on the following charts based on the I.A.D.C. Daily Drilling Report from 12:00 to 12:00 M.S.T. Footage drilled and cumulative footage per day is listed in parenthesis below the date. Footage drilled and cumulative footage per day is listed in parenthesis below the date.

November 29, 1987	Move rig, rig up and drill rat and mouse hole.
November 30, 1987 (0' - 170'/170')	Finish drilling rat and mouse hole, spud well at 3:30 A.M. Drilling 17 1/2" hole with surface bit 1A HTC (OWV). Drilled from 0' to 48'. Run 2 joints 13 3/8" casing set at 47.46'. Cement casing, wait on cement, nipple up conductor, drilling 12 1/4" hole with surface bit 2A SEC S-86-F. Drilled from 48' to 170'.
December 1, 1987 (170' - 1285'/1115')	Drilled from 170' to 1285'.
December 2, 1987 (1285' - 1751'/466')	Drilled from 1285' to 1751'. Circulate to run casing trip out and run 42 joints 8 5/8" surface casing. Set casing at 1751' K.B. Wait on cement.
December 3, 1987 (1751' - 2255'/504')	Wait on cement, weld on head, pressure test, nipple up, test B.O.P. Trip into hole with bit no. 3 STC (F-27). Drilling 7 7/8" hole from 1751' to 2255'.
December 4, 1987 (2255' - 3415'/1160')	Drilled from 2255' to 3415'.
December 5, 1987 (3415' - 4425'/1010')	Drilled from 3415' to 4425'.
December 6, 1987 (4425' - 4998'/573')	Drilled from 4425' to 4777'. Trip for new bit no. 4 (STC) F-3. Washed and reamed 91' to bottom. Tight hole, drilled from 4777' to 4998'.
December 7, 1987 (4998' - 5385'/387')	Drilled from 4998' to 5385'. Trip for hole in pipe at 5198'. Hole in 112th joint.
December 8, 1987 (5385' - 5703'/318')	Drilled from 5385' to 5703'.
December 9, 1987 (5703' - 5958'/255')	Drilled from 5703' to total depth 5958'. Circulate and mix mud. Circulate and condition hole. Trip to surface casing.
December 10, 1987 (5958' - 5958'/0')	Finish trip to surface casing, wash 40' to bottom. Circulate and condition mud, trip out for logs. Tried to log, went to 2550', trip into hole, circulate and condition hole, trip out of hole to try

December 10, 1987
(continued)

and log, try to log, stopped at 2558'.

December 11, 1987
(5958' - 5958'/0')

Trip into hole 17 stands, wash to 2550', condition and clean hole, trip out. Pick up reamer, trip into hole, ream from 2488'.

December 12, 1987
(5958' - 5958'/0')

Wash and ream to 3670', circulate and trip out to 2300'. Hit bridge at 2745', work through bridge. Ream bridge, trip out of hole, lay down reamer, trip in hole. Wash through bridge at 2558'. Trip into hole to bottom. Circulate, condition hole and mud for logs. Trip out of hole for logs.

December 13, 1987
(5958' - 5958'/0')

Finish tripping out of hole, rig up loggers. Run e-logs. Hit bridge or ledge at 2564', worked tool through ledge, logged dual induction gamma ray. Could not get CNL/FDC through tight spot. Decision was made to plug and abandon the location from DIL log. Plug the well and abandon location.

BREAKDOWN OF RIG TIME

<u>1987 DATE</u>	<u>DRILLING</u>	<u>WASH/ REAM</u>	<u>COND./ CIRC.</u>	<u>TRIPS</u>	<u>RIG SERVICE</u>	<u>SURVEY</u>	<u>LOGGING</u>	<u>OTHER</u>	<u>COMMENTS</u>
11/29	1.5							22.5	Rat hole, drill mouse hole
11/30	9.0							15.0	Spud, set conductor
12/1	22.0				.5	1.5			
12/2	10.5		1.5	1		.5		10.5	Set surface casing
12/3	10.5			1				12.5	Drilling 7 7/8" hole
12/4	22.5				.5	1.0			
12/5	23				.5	.5			
12/6	15.25	1.0		5.5		.5		1.75	NB #4
12/7	20.0			4.0					Trip for hole in pipe
12/8	23				.5	.5			
12/9	17.5		5.0	1	.5				TD & condition mud & hole
12/10			6.0	16.0			2		Condition hole, try to log
12/11		12.0		12.0					Condition hole
12/12		6.5	5.0	12.5					Condition hole
12/13							5.5	18.5	E-log

SUMMARY DRILLING DATA

<u>1987 DATE</u>	<u>WOB X 1000</u>	<u>RPM</u>	<u>PP</u>	<u>FOOTAGE DRILLED</u>	<u>CUMULATIVE FOOTAGE</u>	<u>FT/HR</u>	<u>COMMENTS</u>
11/29							Drill rat & mouse hole
11/30	A11	65		0' - 170'	170'	18.9	Spud
12/1	40	70	1100	170' - 1285'	1115'	50.7	
12/2	45	70	1100	1285' - 1751'	466'	44.4	Set surface casing
12/3	45	60	1400	1751' - 2255'	504'	48	
12/4	45	60	1500	2255' - 3415'	1160'	51.6	
12/5	45	60	1500	3415' - 4425'	1010'	44	
12/6	45/40/45	60	1500/1700	4425' - 4998'	573'	37.6	New bit no. 4
12/7	40	60	1700	4998' - 5385'	387'	19.4	Hole in D.P.
12/8	40	60	1700	5385' - 5703'	318'	13.8	
12/9	40	60	1700	5703' - 5958'	255'	14.6	T.D.
12/10	--	--	--	5958' - 5958'	0'	0	Try to log
12/11	--	--	--	5958' - 5958'	0'	0	Condition hole
12/12	--	--	--	5958' - 5958'	0'	0	Condition hole
12/13	--	--	--	5958' - 5958'	0'	0	E-log

BIT RECORD

<u>BIT NO.</u>	<u>SIZE</u>	<u>MANUF.</u>	<u>TYPE</u>	<u>FOOTAGE RUN</u>	<u>TOTAL FOOTAGE</u>	<u>HOURS RUN</u>	<u>FT/HR</u>	<u>DULL CODE</u>
1A	17 1/2"	HTC	OWV	0' - 170'	170	2.5	68	6 6 I
2A	12 1/4"	SEC	S-86-F	48' - 1751'	1703	37.5	45.4	---
3	7 7/8"	STC	F-27	1751' - 4777'	3026	64	47.3	---
4	7 7/8"	STC	F-3	4777' - 5958'	1181	67	17.6	---
5	7 7/8"	HTC	J3	Clean out hole				

SURVEY DATA

<u>1987 DATE</u>	<u>SURVEY DEPTH</u>	<u>SURVEY TYPE</u>	<u>DEGREES DEVIATION</u>
12/1	156'	Wireline	1°
12/1	305'	Wireline	0°
12/1	790'	Wireline	1/2°
12/2	1751'	Dropped	3/4°
12/4	2251'	Wireline	1/2°
12/4	2776'	Wireline	3/4°
12/4	3393'	Wireline	3/4°
12/5	3889'	Wireline	1°
12/6	4411'	Wireline	1°
12/6	4777'	Dropped	1°
12/8	5674'	Wireline	1/2°

DEPTH CORRECTIONS

<u>DATE 1987</u>	<u>S.L.M. DEPTH</u>	<u>CORRECTION AND COMMENTS</u>
----------------------	-------------------------	------------------------------------

No S.L.M. taken due to bad hole

MUD DATA

<u>1987</u> <u>DATE</u>	<u>DEPTH</u>	<u>Wt</u>	<u>FV</u>	<u>PV</u>	<u>YP</u>	<u>GEL</u> <u>STR</u>	<u>pH</u>	<u>Fl</u>	<u>FC</u>	<u>CL</u>	<u>Ca</u>	<u>%</u> <u>SOL</u>	<u>COMMENTS</u>
11/29													
11/30	50			Water									Spud
12/1	367	8.4	27				9.0			500	80		Water
12/2	1600	8.4	27				10.0			500	160		
12/3	1751	8.5	27				11.5			1400	300		
12/4	2610	8.4	27				10.5			700	140		
12/5	3775	8.4	27				10.0			2400	80		
12/6	4725	8.4	27				9.0			2000	120		NB #4
12/7	5080	8.9	35	7	4	1/5	9.5	12.0	2/32	2300	80	4	Mud-up
12/7	5190	9.1	40	9	7	2/8	8.5	15.0	2/32	2200	160	5	Gel-Chem
12/7	5345	9.6	39	8	6	1/6	10.0	10.0	2/32	2300	150	9	Gel-Chem
12/8	5574	9.8	35	8	5	1/5	12.0	8.0	2/32	2200	120	12	Disp
12/8	5645	9.8	48	14	11	4/12	11.5	10.0	2/32	2400	160	12	Disp
12/9	5782	9.9	41	15	14	3/10	10.5	9.0	2/32	1900	560	12	Wt-Disp
12/9	5852	10.2	46	21	16	6/15	11.5	10.4	2/32	2300	360	14	Wt-Disp
12/10	5958	11.1	81	24	17	5/15	11.5	8.4	2/32	2700	400	22	Wt-Disp
12/11	5958	10.9	92	--	--	--	10.0	8.0	2/32	2000	320	22	Weighted
12/12	5958	10.9	80	36	30	8/20	10.0	7.0	2/32	2300	400	22	Wt-disp
12/13	5958			Run E-log									Plug well, abandon location

FORMATION TOPS

K.B. = 5118'

<u>FORMATION</u>	<u>SAMPLE TOP</u>	<u>E-LOG TOP</u>	<u>SUBSEA</u>	<u>THICKNESS</u>
Pennsylvanian Period				
Hermosa Group	4574	4578	540	994
Paradox Formation				
Upper Ismay Zone	5524	5572	-454	158
Lower Ismay Zone	5734	5730	-612	63
Gothic Shale Zone	5792	5793	-675	24
Desert Creek Zone	5816	5817	-699	68
Lower Desert Creek Porosity	5884	5885	-767	20
Chimney Rock Shale	5908	5905	-787	34
Akah Zone		5939	-821	
T.D.		5959		

STRUCTURAL/STRATIGRAPHIC COMPARISON W/OFFSETS

Duncan Exploration
 DEC Federal No. 1
 Sec. 10, T38S, R24E
 San Juan County, Utah
GL: 5104' KB: 5118'

R.T. Duncan
 3-2 Cave Canyon
 Sec. 3, T38S, R24E
 San Juan County, Utah
GL: 5225' KB: 5239'

ABO Pet.
 Arabian Federal #1
 Sec. 10, T38S, R24E
 San Juan County, Utah
GL: 5158' KB: 5171'

<u>FORMATION TOPS</u>	<u>LOG TOP</u>	<u>SUBSEA</u>	<u>h</u>	<u>LOG TOP</u>	<u>SUBSEA</u>	<u>h</u>	<u>LOG TOP</u>	<u>SUBSEA</u>	<u>h</u>
Pennsylvanian Period									
Hermosa Group	4578	+540	994	4654	+585	984			
Paradox Formation									
Upper Ismay	5572	-454	158	5638	-399	172	5611	-440	167
Lower Ismay	5730	-612	63	5810	-571	46	5778	-607	52
Gothic Shale	5793	-675	24	5856	-617	28	5830	-659	20
Desert Creek	5817	-699	68	5884	-645	56	5850	-679	72
Lower Desert Creek	5885	-767	20	5940	-701	19	5922	-751	22
Chimney Rock Shale	5905	-787	34	5959	-720	24	5944	-773	34
Akah	5939	-821		5983	-744		5978	-807	

LOG SUITE

Dual Induction - SFL with Gamma Ray and S.P.
2" and 5" scales
Total Depth to Base Surface Casing

Due to very bad hole conditions and tight spots from 2550' - 2600', no other logs were run. Attempts were made to pass through this interval but were unsuccessful.

EVALUATION OF LOG QUALITY

Logs appeared to be of good quality. Tool functioned satisfactorily.

LOG CALCULATIONS

The decision to plug the well was based on the Dual Induction log and sample evaluation, water saturation values could not be calculated, no porosity logs were run.

FORWARD TO SAMPLE DESCRIPTIONS

Samples are described based on a personal format which will be provided upon request. Colors (using wet samples) are described based on personal format.

Samples have been lagged to corresponding depths and matched as close as possible to electric log depths.

Sample quality has been noted in parenthesis following each sample description. (1) denotes good samples, (2) denotes fair samples, and (3) denotes poor samples.

Note: All samples from 4570' to total depth were highly contaminated with shale cavings from 2500' to 3000', resulting in poor to very poor sample quality.

SAMPLE DESCRIPTIONS

10' samples (lagged)

- 4000' - 4050' Shale - predominately red orange, varicolored gray, blocky to subplaty, soft, micaceous, slightly limy to calcareous. Siltstone - reddish brown to reddish orange, blocky, calcareous. Traces of Limestone - pink, pinkish gray, blocky, firm to moderately firm, shaly in part, cryptocrystalline. Sandstone - light gray, white, light pink, very fine grained, subangular to subrounded, clay filled, tight, calcareous, no shows. (3)
- 4050' - 4070' Sandstone - light gray, clear to white, pink, very fine grained, subangular to subrounded, clay filled, tight.
- 4070' - 4220' Shale - reddish brown, varicolored gray, micaceous, blocky, soft to moderately firm, silty in part. Sandstone - clear, light gray, white, very fine grained, calcareous.
- 4220' - 4240' Sandstone - light gray, clear, light pink, very fine grained, subrounded to subangular, scattered unconsolidated quartz grains, no shows.
- 4240' - 4320' Shale - medium gray to red orange, brick red, blocky, scattered splintery, soft to moderately firm, calcareous, silty in part, micaceous. Siltstone - red, blocky, soft, calcareous. Traces Limestone - light pink, light brown, shaly in part, moderately firm. Sandstone - light gray, light brown, very fine grained, no shows. (3)

- 4320' - 4370' Shale - reddish orange, red to gray, blocky, soft, calcareous, silty in part.
Sandstone - light gray, clear, light pink, very fine grained, no shows, tight, clay filled. (3)
- 4370' - 4400' Sandstone - clear, light brown, light gray, light pink, very fine grained to fine grained, subrounded to subangular, clay filled, tight, no shows.
Shale - reddish orange to gray, blocky, soft, calcareous. (3)
- 4400' - 4520' Shale - dark brown, dark reddish brown, red, blocky to splintery, soft to moderately firm, calcareous to limy, silty, micaceous.
Siltstone - red, blocky, soft, mica.
Limestone - light pink, light brown, shaly. (3)
- 4520' - 4540' Sandstone - light gray, light brown, clear, very fine grained to fine grained, partially clay filled, calcareous, no shows.
Shale - brown, red, orange, blocky, calcareous to limy in part, silty.
Siltstone - dark brown, blocky, calcareous. (3)
- 4540' - 4570' Shale - brown to gray, blocky, soft, calcareous to limy in part.
Sandstone - light gray, white to clear, very fine grained to fine grained, poorly sorted, scattered unconsolidated, no shows, no visible porosity. (3)
- HERMOSA GROUP (e-log top 4578')
- 4570' - 4610' Limestone - light gray, light brownish gray, light brown, dense, cryptocrystalline, no visible porosity, slightly sandy.
Shale - gray, brown, blocky, calcareous to limy in part.
Sandstone - white, light gray, slightly calcareous, tight, clay filled. (3)
- 4610' - 4730' Shale - brown, dark brown to reddish brown, medium gray, predominately gray, greenish gray, blocky, moderately firm, slightly calcareous.
Limestone - light brown, dense, slightly argillaceous, cryptocrystalline. (3)
- 4730' - 4750' Shale - medium gray, dark reddish brown, light gray, blocky, calcareous, silty to sandy in part, carbonaceous in part.
Limestone - light gray, light brown, dense, no shows.
Sandstone - light gray, white, micaceous in part, silty to shaly in part, clay filled, tight, no shows, scattered unconsolidated quartz. (3)
- 4750' - 4770' Sandstone - light to medium gray, light brown, white, very fine grained, silty to shaly, micaceous, calcareous, glauconitic in part.

- 4750' - 4770'
(continued) Shale - medium gray, red, dark reddish brown, blocky, slightly calcareous to noncalcareous, silty in part. Limestone - light brown, brownish gray, dense, silty to slightly sandy in part. (3)
- 4770' - 4800' Shale - gray, medium gray, red, reddish brown, blocky, soft, calcareous, scattered limy in part, scattered non-calcareous. Sandstone - light gray, clear, light greenish gray, very fine grained, silty to argillaceous, no porosity, calcareous. Limestone - light gray, light to medium brown, dense, no shows. (3)
- 4800' - 4850' Limestone - light gray, light brown, dense, cryptocrystalline, no visible porosity, slightly argillaceous, no shows. Shale - medium gray, blocky, soft to moderately firm, calcareous. (3)
- 4850' - 4970' Shale - dark reddish brown, dark brown, medium gray, blocky, moderately firm to soft, silty, calcareous. Limestone - light gray, dense, cryptocrystalline, slightly argillaceous, no visible porosity. Sandstone - light gray, white, clear, very fine grained, tight, clay filled. (3)
- 4970' - 5000' Shale - dark gray, dark brownish gray, moderately firm to firm, calcareous. Limestone - light to medium brown, dense, cryptocrystalline to microcrystalline, no shows, no visible porosity. (3)
- 5000' - 5020' Sandstone - greenish gray, medium gray, clear to white, micaceous, very fine grained, calcareous, clay filled, tight. shale - gray, greenish gray, blocky to splintery, slightly calcareous. Limestone - light brown, dense, slightly argillaceous. (3)
- 5020' - 5120' Shale - medium to dark gray, greenish gray, red, blocky to splintery, soft, noncalcareous to scattered limy in part, subwaxy, scattered silty. Limestone - brown, light gray, dense, cryptocrystalline, slightly argillaceous, slightly sandy in part, no visible porosity. (3)
- 5120' - 5170' Limestone - light gray, white, light brown, brownish gray, slightly argillaceous, cryptocrystalline, no visible porosity. Shale - dark gray, medium gray, scattered black, blocky to splintery, carbonaceous in part, moderately firm to soft, slightly silty. (3)

- 5170' - 5240' Shale - medium gray, grayish brown, blocky to splintery, moderately firm, slightly limy in part, silty in part.
Limestone - light gray, light brown, dense, argillaceous, scattered fossils, no shows. (3)
- 5240' - 5250' Limestone - light brown to medium brown, cryptocrystalline, dense, slightly argillaceous, cherty, no visible porosity. (3)
- 5250' - 5270' Shale - dark brown, blocky, micaceous, scattered brownish black, carbonaceous.
Limestone - light to medium brown, dense, cherty. (3)
- 5270' - 5290' Limestone - brown, grayish brown, dense, cryptocrystalline, slightly argillaceous, scattered fossils, cherty.
Shale - gray, dark gray, splintery, firm, limy in part, micaceous in part.
Sandstone - brown, fine grained, clay filled, tight. (3)
- 5290' - 5310' Shale - dark brown, black, dark reddish brown, blocky, micaceous, silty in part.
Limestone - brown, dark brown, light brown, cryptocrystalline, scattered chert. (3)
- 5310' - 5350' Limestone - light brown, light grayish brown, cryptocrystalline to microcrystalline, fossils, scattered pyrite, scattered chert, no visible porosity, no shows.
Shale - dark gray, dark brown, splintery, moderately firm to soft, scattered pyrite. (3)
- 5350' - 5360' Shale - dark gray to black, carbonaceous, moderately firm to soft, scattered pyrite. (3)
- 5360' - 5390' Limestone - brown, cryptocrystalline to microcrystalline, scattered fossils, cherty, no stain, fluorescence or cut.
Shale - dark gray to black, moderately firm to soft, carbonaceous, scattered pyrite. (3)
- 5390' - 5410' Shale - dark gray, dark brown, moderately firm to soft, splintery to blocky. (3)
- 5410' - 5430' Limestone - light brown, light to medium brown, cryptocrystalline to microcrystalline, dense, no visible porosity, scattered fossils, scattered chert, no stain, fluorescence, no cut. (3)
- 5430' - 5470' Shale - dark brownish gray, dark gray, splintery, soft to moderately firm, slightly micaceous, slightly carbonaceous.
Limestone - light to medium brown, cryptocrystalline to microcrystalline, dense, scattered chert. (3)
- 5470' - 5500' Limestone - light to medium brown, medium grayish brown, cryptocrystalline to microcrystalline, slightly argillaceous, scattered fossils, scattered slightly cherty, no stain,

- 5470' - 5500'
(continued) fluorescence, no cut.
Shale - dark brownish black, dark gray, slightly micaceous.
(3)
- 5500' - 5520' Shale - dark gray, black, soft, splintery, carbonaceous.
(3)
- 5520' - 5550' Limestone - brown to medium brown, cryptocrystalline to
microcrystalline, dense, slightly argillaceous, no stain,
fluorescence, no cut.
Shale - black, soft, carbonaceous, blocky. (3)
- 5550' - 5560' Limestone - brown, grayish brown, cryptocrystalline to
microcrystalline to cryptosucrosic, dense, no visible
porosity, no stain, no fluorescence, no cut, slightly
dolomitic in part. (3)
- 5560' - 5570' Shale - dark brownish black, blocky, soft to moderately
firm, carbonaceous in part. (3)
- UPPER ISMAY (e-log top 5572')
- 5570' - 5620' Limestone - brown, grayish brown, cryptocrystalline to
cryptosucrosic, dense, no visible porosity, slightly
dolomitic in part, no stain, fluorescence, no cut.
Anhydrite - white, soft, massive.
Shale - dark gray, dark brownish gray, blocky to splintery.
(3)
- 5620' - 5700' Anhydrite - creamy white, soft, yellowish brown.
Shale - gray, brownish gray, moderately firm to soft,
blocky to splintery. (3)
- 5700' - 5720' Limestone - light to medium brown, grayish brown, crypto-
crystalline to microcrystalline, dense, anhydritic, no
visible porosity, no stain, no fluorescence, no cut,
slightly argillaceous.
Shale - brownish gray, dark gray, black, soft to moderately
firm. (3)
- HOVENWEEP SHALE (e-log top 5722')
- 5720' - 5730' Shale - black, dark brownish black, splintery, soft to
moderately firm, slightly silty in part, earthy. (3)
- LOWER ISMAY (e-log top 5730')
- 5730' - 5750' Limestone - light brown to medium brown, microcrystalline
to microsucrosic, dense, argillaceous, slightly anhy-
dritic, slightly dolomitic in part, no stain, no fluores-
cence, no cut. (3)
- 5750' - 5780' Anhydrite - white, creamy white, soft, amorphous to
scattered crystalline. (30)

5780' - 5790' Limestone - light grayish brown to medium brown, dense, cryptocrystalline to microcrystalline, anhydritic, no shows, no stain, no fluorescence, no cut. (3)

GOTHIC SHALE (e-log top 5793')

5790' - 5820' Shale - black, blocky to splintery, earthy, soft, scattered pyrite, noncalcareous to slightly calcareous, slightly carbonaceous. (3)

UPPER DESERT CREEK (e-log top 5817')

5820' - 5830' Limestone - brown, microcrystalline to microsugrosic, very poor to no visible porosity, no stain, no fluorescence, no cut. (3)

5830' - 5850' Anhydrite - creamy white, light gray, dense, massive, crystalline in part, soft. (3)

5850' - 5880' Shale - gray, dark gray, dark brownish gray, blocky to splintery, limy in part, pyritic, silty in part to very shaly limestone.
Dolomite - grayish brown, very argillaceous to shaly, anhydritic, dense, no visible porosity, no stain, no cut. (3)

LOWER DESERT CREEK (e-log top 5885')

5880' - 5910' Anhydrite - creamy white to light gray, soft.
Dolomite - light brown, light grayish brown to brown, slightly argillaceous, anhydritic in part, no visible porosity, no stain, no fluorescence, no cut.
Shale - dark gray to gray, splintery to blocky, soft to moderately firm, slightly calcareous. (3)

CHIMNEY ROCK SHALE (e-log top 5905')

5910' - 5940' Shale - black, blocky, earthy, soft, carbonaceous, splintery in part, slightly calcareous, carbonaceous in part. (3)

AKAH (e-log top 5939')

5940' - 5958' Dolomite - brown, medium brown, dense, cryptocrystalline, anhydritic, no stain, no fluorescence, no cut.
Anhydrite - creamy white, crystalline.
Salt - by penetration rate. (3)

SUMMARY

Prospect Overview

The primary objective of Duncan Exploration Company D.E.C. Federal No. 1 was the porosity interval of the Upper Ismay Zone of the Paradox Formation. The well was drilled to 5958' to explore an apparent seismic high to the south and west of a dry hole drilled by Yates Petroleum (Arabian Federal No. 1) drilled in 1986. Yates Petroleum farmed out the prospect to Duncan Exploration. The Lower Desert Creek porosity zone was a secondary target.

Formation Summary

Hermosa Group

Several small sand intervals were penetrated in the Hermosa. They were all partially clay filled and tight. Several zones of gas was observed through these sands, the highest increases of gas was observed in very carbonaceous zones. No intervals of sand with reservoir potential existed at this location. It should be noted that samples were very highly contaminated with large amounts of shale cavings making evaluation difficult.

Upper Ismay Zone

A massive anhydrite in the Upper Ismay Zone existed at this location. Very little carbonate buildup below this anhydrite was present. Only 20' of limestone mound with very poor shows was observed. The Upper Ismay Zone at this location was very similar to Yates dry hole (Arabian Federal No. 1). A small 4' interval penetrated slightly faster and released a small amount of gas. No shows of hydrocarbons were observed by sample examination.

Lower Ismay Zone

No significant hydrocarbon shows were observed while penetrating this interval. No drilling breaks and only small gas increases were observed. The thickness of this interval was thicker than Yates (Arabian Federal No. 1).

Upper Desert Creek

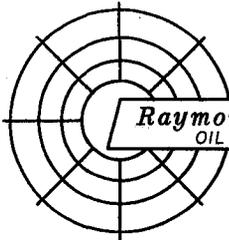
A small drilling break existed in the upper part of this zone. A 3' interval released a fair amount of gas, but no hydrocarbon stain, fluorescence, or cut was observed by sample examination. Small gas increases were also present in the lower intervals of this zone below the anhydrite. Again, no significant hydrocarbon shows were seen in the samples.

Lower Desert Creek

This zone was tight and not well developed. A small 2' slight drilling break existed immediately below the anhydrite. A small amount of gas was released but no hydrocarbon shows existed in the samples. The dolomites were argillaceous and anhydritic. No mound development was observed at this location.

Post Drilling Comments

The well was plugged and the location abandoned. This decision was based on the similarities of this well and another dry hole drilled by Yates Petroleum last year. No mound development existed at this location, no significant drilling breaks with hydrocarbons was observed, and a very poor structural position made plugging the well possible. Bad hole conditions were also present at this location. Only one log run was possible, several attempts were tried and were unsuccessful in running other logs. A very tight spot existed at 2550' and all attempts to clean this interval failed. A soft shale and sand interfacing made a crooked hole, and the shale kept falling into the hole. Highly shale contaminated samples resulted throughout the drilling of this well.



Raymond T. Duncan
OIL PROPERTIES

1777 SOUTH HARRISON STREET • PENTHOUSE ONE
TELEPHONE (303) 759-3303 • DENVER, COLORADO 80210

RECEIVED
JAN 28 1988

DIVISION OF
OIL, GAS & MINING

January 23, 1988

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

Re: DEC Federal No. 1
NE NE Sec. 10, T38S, R24E
San Juan County, Utah

Gentlemen:

Enclosed is the Completion Report for the above captioned well.
Please contact me if you have any questions or need additional
information.

Very truly yours,

RAYMOND T. DUNCAN

J. A. Bettridge
Operations Superintendent

JAB:nr
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
SUBMIT IN DUPLICATE
JAN 28 1988

✓

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.

U-56186

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

DEC Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 10-T38S-R24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

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

2. NAME OF OPERATOR

Raymond T. Duncan

3. ADDRESS OF OPERATOR

1777 So. Harrison St., PH-1, Denver, CO 80210

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

At surface 860' FNL and 1050' FEL (NE NE)

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

43-037-31366 10-26-87

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

11-30-87 12-10-87 N/A 5104' GR, 5118' KB --

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

5958' -- -- 0 - 5958'

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

None

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.4#	48'	17-1/2"	100 sx Class "B"	None
8-5/8"	24#	1751'	12-1/4"	900 sx lite, 100 sx "B"	None

29. LINER RECORD

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

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

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

P&A

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

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

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Geology Report

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

SIGNED

J. A. Bettridge

TITLE Operations Superintendent

DATE January 25, 1988

See Spaces for Additional Data on Reverse Side

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.
			<p>Please see attached Geology Report.</p> <p>**This well was spud at 3:30 a.m. 11/30/87 with Coleman Rig #4.</p>

38.

GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

JAN 28 1988

020402

WELL COMPLETION OR RECOMPLETION REPORT **OIL AND GAS**

DIVISION OF
OIL AND GAS

5. LEASE DESIGNATION AND SERIAL NO.

U-56186

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

DEC Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 10-T38S-R24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

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

2. NAME OF OPERATOR

Raymond T. Duncan

3. ADDRESS OF OPERATOR

1777 So. Harrison St., PH-1, Denver, CO 80210

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

At surface 860' FNL and 1050' FEL (NE NE)

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

43-037-31366 10-26-87

15. DATE SPUDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.) 19. ELEV. CASINGHEAD

11-30-87

12-10-87

N/A

5104' GR, 5118' KB

--

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

5958'

--

HOW MANY

DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0 - 5958'

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

None

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL, CEMENT FUAL LOG, COMP ACOUSTIC VELOCITY, SPECIAL DENSITY, CBL, COLLAR LOG W/PERS, CEMENTSCAN

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.4#	48'	17-1/2"	100 sx Class "B"	None
8-5/8"	24#	1751'	12-1/4"	900 sx lite, 100 sx "B"	None

29. LINER RECORD

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

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

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

P&A

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

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

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Geology Report

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

SIGNED

J. A. Bettridge

TITLE Operations Superintendent

DATE January 25, 1988

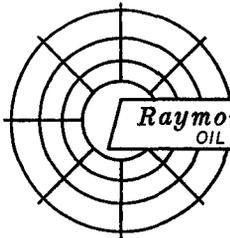
37. SUMMARY OF POROUS ZONES:
 SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			Please see attached Geology Report.
			**This well was spud at 3:30 a.m. 11/30/87 with Coleman Rig #4.

38.

GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH



Raymond T. Duncan
OIL PROPERTIES

1777 SOUTH HARRISON STREET • PENTHOUSE ONE
TELEPHONE (303) 759-3303 • DENVER, COLORADO 80210

CONFIDENTIAL

October 21, 1988

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

Gentlemen:

Re: DEC Federal No. 1
Sec. 10, T38S, R24E
San Juan County, Utah

Gentlemen:

Enclosed please find a copy of the BIM Sundry Notice for Reclamation of the above captioned well.

Please contact me if you have any questions or need additional information.

Very truly yours,

RAYMOND T. DUNCAN

J. A. Bettridge
Operations Superintendent

JAB:nr
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

RECEIVED
OCT 26 1988

SUNDRY NOTICES AND REPORTS

(Do not use this form for proposals to drill or to deepen or plug a well on a different reservation. Use "APPLICATION FOR PERMIT" for such proposals.)

3. LEASE DESIGNATION AND SERIAL NO.
U-56186

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
DEC Federal

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T38S, R24E

12. COUNTY OR PARISH
San Juan

13. STATE
UT

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Raymond T. Duncan

3. ADDRESS OF OPERATOR
1777 So. Harrison St, PH-1, Denver, CO 80210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
860' FNL and 1050' FEL (NE NE)

14. PERMIT NO.
43-037-31366

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
5109'

DIVISION OF
OIL, GAS & MINING

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Reclamation</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

Subject well was plugged and abandoned, as reported on the Subsequent Report of Abandonment filed December 16, 1987. Pit and location have been reclaimed and seeded. Location is ready for final inspection.

CONFIDENTIAL

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

SIGNED J. A. Bettridge TITLE Operations Superintendent DATE Oct 19, 1988

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side

8:05:37 am Thursday February 9, 1989

```

*****
****      1          2          3          4          5          6          7
**** 12345678901234567890123456789012345678901234567890123456789012345
*****

```

```

* 1* INSPECTOR: GG          DATE ASSIGNED: 890120          DEADLINE: 890520
* 2*                               DATE COMPLETE: 000000
* 3*

```

```

* 4* OPERATOR : N0360 : DUNCAN, RAYMOND T.          LEASE: U-56186
* 5* WELL NAME: DEC FEDERAL #1          API : 43-037-31366
* 6* S: 10 T: 38.0 S R: 24.0 E
* 7* COUNTY: SAN JUAN          FIELD: 002 : UNDESIGNATED
* 8*

```

* 9* ACTION TYPE: FOLLOW*UP***

```

* 10*
* 1* ACTION REQUIRED:
* 2* CONTACT*OPERATOR*RE:*LOCATION*REHAB*****
* 3* REFER*TO*THE*BLM.*****
* 4* *****
* 5* *****
* 6*

```

```

* 7* ACTION TAKEN: Loc Rehabed
* 8* *****
* 9* *****
* 20* *****
* 1* *****
* 2* *****

```

* 4* PF KEYS: (1) NO UPDT (9) WELL DATA (12) DELETE (16) EXIT

```

*****
****      1          2          3          4          5          6          7
**** 12345678901234567890123456789012345678901234567890123456789012345
*****

```

Jim Thompson
2/14/89

MEMO TO WELL FILE

July 10, 1991

These wells are PA'd and have received a final abandonment notice from the BLM:

<u>NAME/API</u>	<u>LOCATION</u>	<u>FAN DATE</u>
Cherokee Fed 23-14 43-037-31392	Sec. 14 T. 37S R. 23E	5-20-91
8807 JV-P Havasu #1 43-037-31435	Sec. 01 T. 38S R. 23E	5-22-91
Dec Federal #1 43-037-31366	Sec. 10 T. 38S R. 24E	5-22-91
Brusheart Fed #1 43-037-31379	Sec. 17 T. 38S R. 24E	5-22-91
Black Steer Fed 7-25 43-037-31461	Sec. 25 T. 38S R. 24E	5-22-91
Wexpro-9 43-037-30604	Sec. 18 T. 36S R. 26E	6-11-91
Muckleshoot Fed 15-32 43-037-31380	Sec. 15 T. 38S R. 25E	6-11-91