

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Exxon Corporation

3. ADDRESS OF OPERATOR  
 P. O. Box 1600, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 1610' FEL and 2033' FNL of Section  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 90 miles SE from Richfield

15. DISTANCE FROM PROPOSED\* 1610' from lease line  
 LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 413' drlg line  
 (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE  
 2520'

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  
 10,000

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 7331' GR

22. APPROX. DATE WORK WILL START\*  
 May 15, 1982

5. LEASE DESIGNATION AND SERIAL NO.  
 U-44706

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

7. UNIT AGREEMENT NAME  
 Ellen Unit (Pending)

8. FARM OR LEASE NAME  
 Ellen Unit

9. WELL NO.  
 1

10. FIELD AND POOL, OR WILDCAT  
 Wildcat

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA  
 Sec. 24, T31S, R9E

12. COUNTY OR PARISH 13. STATE  
 Garfield Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94#	30'	Readi-mix to surface
12 1/4"	9 5/8"	36#	600'	to surface - 300 cu. ft.
7 7/8"	5 1/2"	17#	10000'	to 4000' - 800 cu. ft.

A request for approval of an unorthodox location is being made due to topography

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 Melba Knippling TITLE Unit Head DATE 11 January 1982

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY W.P. Martus FOR E. W. GUYNN  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ TITLE DISTRICT OIL & GAS SUPERVISOR DATE JUN 09 1982

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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

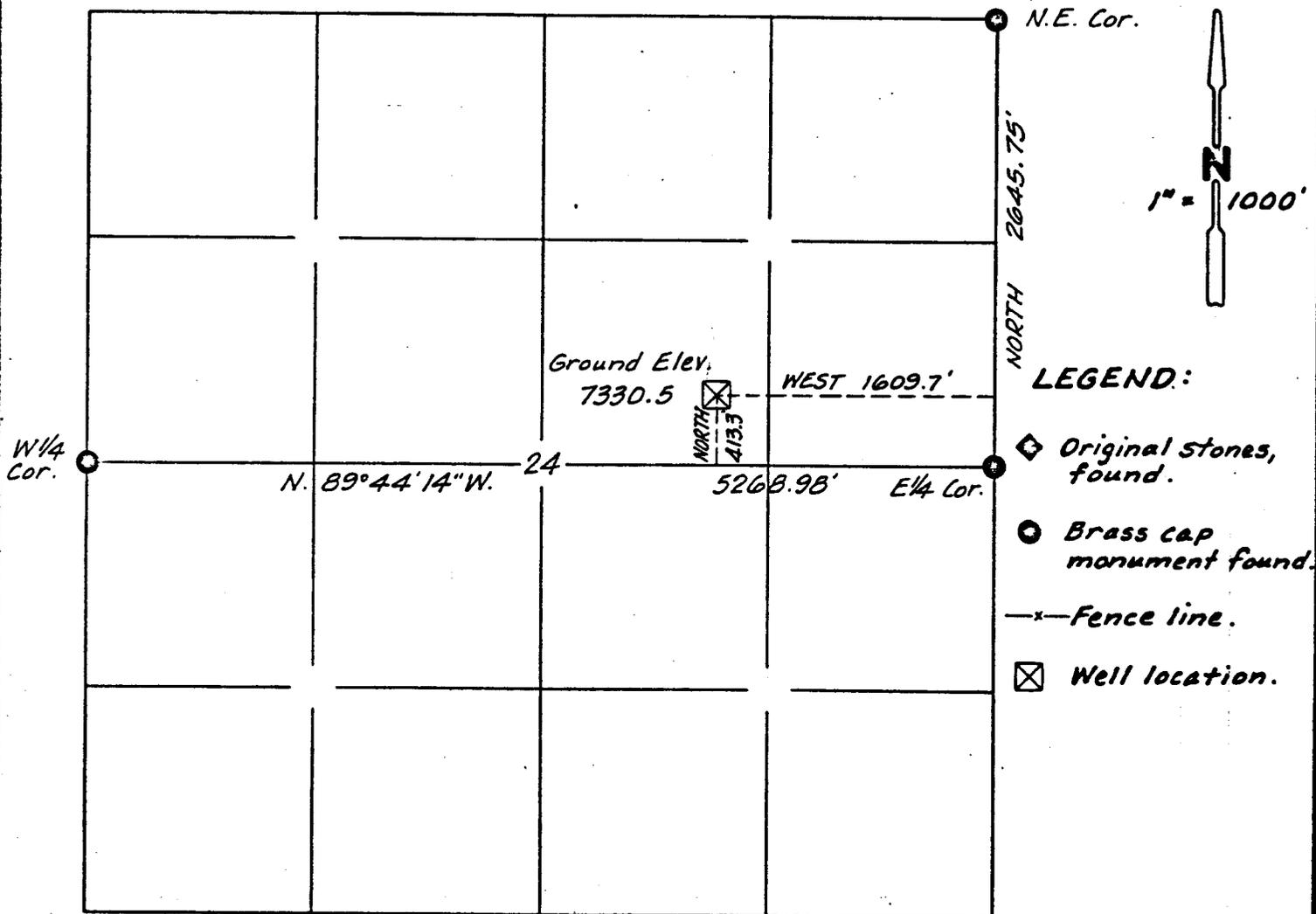
State Oil & Gas

# WELL LOCATION PLAT

SEC. 24, T. 31 S., R. 9 E.

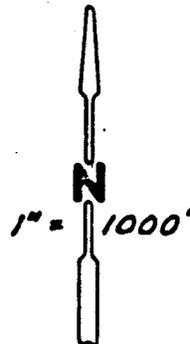
MT. ELLEN LOCATION

SALT LAKE BASE & MERIDIAN



**LEGEND:**

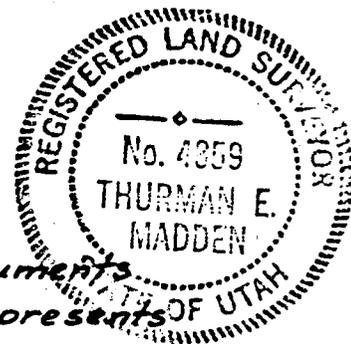
- ◆ Original stones, found.
- Brass cap monument found.
- x- Fence line.
- ⊗ Well location.



**BASIS OF BEARINGS:** Line between E 1/4 cor. & N.E. cor. bears NORTH as per GLO plat.

**SURVEYOR'S CERTIFICATE:**

I hereby certify that the above indicated monuments were found and that the above information represents a field survey done under my responsible charge.



11-17-81  
Date

Thurman E. Madden Registered Land Surveyor No. 4859



**VALLEY ENGINEERING, INC.**

INDUSTRIAL SURVEYORS  
"SERVING THE ENERGY INDUSTRY"

SALT LAKE CITY 364-3400    LOGAN 753-0153    RICHFIELD 896-5434    VERNAL 789-7186

CLIENT: EXXON CO., USA

P.O. Box 1600  
Midland, Texas 79702

Attn.: Gene Paulsgrove

PROJECT NO.  
800 038.01

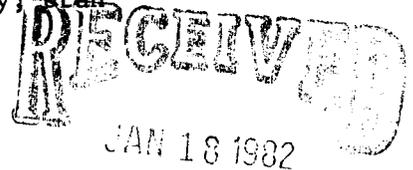
CLIENTS P.O. NO.

**EXXON** COMPANY, U.S.A.  
POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702

PRODUCTION DEPARTMENT  
MIDCONTINENT DIVISION

11 January 1982

Ellen Unit #1  
Section 24, T31S, R9E  
Garfield County, Utah



Mr. Cleon B. Feight  
Utah Dept. of Natural Resources  
Division of Oil, Gas and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

DIVISION OF  
OIL, GAS & MINING

Dear Mr. Feight:

Attached is Application for Permit to Drill, Form 9-331C and plat for Exxon's Ellen Unit #1, which is to be located 1610' FEL and 2033' FNL of Section 24, T31S, R9E, Garfield County, Utah. Due to the terrain, it will be necessary to drill the well at this location. It is 67' out of tolerance from the south line of the quarter-quarter section as required by Rule C-3. Also attached is a topographic map showing the well location.

The ownership of all oil and gas leases within a radius of 660' of the proposed location is common with the ownership of the oil and gas leases under the proposed location.

We respectfully request that our application to drill this well at an unorthodox location be granted.

Very truly yours,

A handwritten signature in cursive script that reads "Melba Knipling". The signature is written in dark ink and is positioned above the typed name.

Melba Knipling  
Unit Head  
Regulatory Compliance

CH:lj

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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 At proposed prod. zone *SE SW*

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 90 miles SE from Richfield

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 Sec. 24, T31S, R9E

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 Garfield

13. STATE  
 Utah

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A request for approval of an unorthodox location is being made due to topography.

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

DATE: 2/9/82  
BY: [Signature]

RECEIVED  
JAN 11 1982  
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 Melba Knippling TITLE Unit Head DATE 11 January 1982

(This space for Federal or State office use)

PERMIT NO. 43-017-30113 APPROVAL DATE \_\_\_\_\_

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

SURFACE USE PLAN

Exxon Corporation Ellen Unit #1  
2033' FNL & 1610' FEL of Section 24, T.31W., R.9E., S.L.B.&M.  
Federal Lease U-44706  
Garfield County, Utah

1. EXISTING ROADS - Area Map, Exhibit "A", is a portion of the Mt. Ellen, Utah, USGS quad. Existing roads are shown on this map.
  - A. Exhibit "A" shows the proposed well site as staked.
  - B. From Bicknell travel east 30 miles on highway 24 to county road. Travel south 4 miles to Notom ranches. Continue south on county road 10 miles to Sandy ranches and turn east. Travel east 9 miles and ford Sweetwater creek. Turn northeast just beyond Sweetwater creek. Travel 2-1/2 miles east and again turn northeast. Travel northeast 1 mile to Apple Brush Flat. Turn east and travel 3 miles to location. Two plugged and abandoned wells are located along the last three miles to location. See area map, Exhibit "A".
2. PLANNED ACCESS ROADS - Exhibit "A" shows approximately 4,000 feet of new access road from point B to A, to be constructed. From point B to C approximately 3 miles of existing ranch road will be upgraded.
  - 1) The maximum width of the new road will be 18 feet.
  - 2) The maximum grade will be less than 10 percent.
  - 3) No turnouts will be necessary.
  - 4) Culverts will be installed as required to properly cross drain the road. Ditches will be constructed to handle surface water.
  - 5) The road will be graveled as needed, primarily in the lower section, from gravel obtained as described in Item 6.
  - 6) No gates, cattleguards or fence cuts will be necessary.
  - 7) Flags have been set along the center line of the road. The road will be cross-sectioned and sloped staked. The road centerline will be surveyed in plan and profile and then will be engineered to show the cut and fill sections and the finished profile. All engineering and slope staking will be done prior to construction to Surface Management Agency approval.

3. LOCATION OF EXISTING WELLS WITHIN A TWO-MILE RADIUS

- 1) Water Wells - None known.
- 2) Abandoned Wells - Sam Gerry #1, SW of NE Section 22, T.31S., R.9E. and Reserves, NW of NW Section 22, T.31S., R.9E.
- 3) Temporarily Abandoned Wells - None known.
- 4) Disposal Wells - None known.
- 5) Drilling Wells - None known.
- 6) Production Wells - None known.
- 7) Shut-in Wells - None known.
- 8) Injection Wells - None known.
- 9) Monitoring or observation Wells - None known.

4. TANK BATTERIES, PRODUCTION FACILITIES AND LEASE PIPELINE

- A. There are no tank batteries, production facilities or pipelines within one mile of the location controlled by lessee.
- B. If production is established, production facilities will be constructed on the drill pad, in the areas shown on Exhibit "A".
- C. Rehabilitation of any disturbed areas no longer needed for operations after completion of the production facilities will be done. This will consist of reshaping the existing surface and seeding per BLM requirements.

5. LOCATION AND TYPE OF WATER SUPPLY - The water to be used in drilling and/or completion operations will be obtained from Sweetwater Creek in the Northeast quarter of Section 25, T.31S., R8E., and hauled over the existing and planned access roads. Roads will be maintained by grading. Water may also be obtained from a proposed water well located on the drillsite. Application is being made to the Utah Division of Water Rights for a Temporary Application to Appropriate Surface and Ground Water.

6. SOURCE OF CONSTRUCTION MATERIALS - Construction materials found in building the location or road will be used. If additional construction materials are required by Exxon, the materials will be obtained from the Dugout Creek embankment and bed, located in the southwest quarter of Section 21, T.31S., R9E., and hauled over the existing and planned access roads. Roads will be maintained by grading. The borrow area will be rehabilitated by contouring all disturbed areas to appear natural, to properly drain and by revegetating, all to BLM requirements.

7. WASTE DISPOSAL

- A. Drill cuttings will be disposed of in the reserve pit.
- B. Most drilling fluid will be disposed of in a permeable formation below surface casing depth. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for backfilling.
- C. Water produced during tests will be disposed of in the reserve pit. Oil produced during tests will be stored in test tanks until sold, at which time it will be hauled from the site.
- D. Sewage from trailer houses will drain into holes at least 10' deep, which will be kept covered until backfilled. An outdoor toilet will be provided for the rig crews; this area will be backfilled during cleanup after rig move-out.
- E. Trash, waste paper and garbage will be contained in a trash pit fenced with a small mesh wire to prevent wind scattering during collection.
- F. When rig moves out, all garbage and trash will be hauled to an approved disposal dump.

8. ANCILLARY FACILITIES - A camp is planned. The camp consists of five trailer houses, each approximately 12 x 60. A septic tank and leach field will be constructed to dispose of the sewage. A trash pit will be constructed. The camp will be located on an abandoned oil well location shown on area map, Exhibit "A". The abandoned location pad located in SW NFE Section 22 will be graded and used. Application for construction or alteration of Individual Waste Water Disposal System will be made to Southwest Utah District Health Department before construction of the septic tank commences.

9. WELLSITE LAYOUT

- A. Exhibit "B" shows the proposed wellsite layout.
- B. This exhibit indicates proposed location of mud, reserve, burn, and trash pits; pipe racks and other major rig components; living facilities; soil stockpile; parking area; and turn in from access road.
- C. Mud pits in the active circulating system will be steel pits, and the reserve pit is proposed to be unlined, unless subsurface conditions encountered during pit construction indicate that lining is needed for lateral containment of fluids.
- D. The site will be staked and slope staked to show the limits of the wellsite pad and the cat/fill slopes. The corners of the wellsite will be rounded to reduce its visual impact.

10. RESTORATION OF SURFACE

- A. Upon completion of the operation and disposal of any trash and debris as discussed earlier, pits will be backfilled and leveled or contoured as soon as practical after drying-time. Drillsite surface will be reshaped to combat erosion, and stockpiled topsoil will be distributed to extent available. Prior to leaving the drillsite upon rig move-out, any pit that is to remain open for drying will be fenced and so maintained until backfilled and reshaped.
- B. Exxon will rehabilitate the road and the location as per the procedures and recommendations in the report "Rehabilitation Plan for a Proposed Well Site in the Henry Mountains, Utah" prepared by Native Plants, Inc. 300 Wakara Way, Salt Lake City.
- C. Revegetation of the drill pad will comply with BLM requirements.
- D. Any oil on pits will be removed or otherwise disposed of to USGS approval.
- E. Rehabilitation operations will start in the Spring after completion and be completed in the Fall to BLM specifications.

11. OTHER INFORMATION

- 1) The soil is coarse-loamy with some outcroppings of rock. Vegetation consists of native grasses, sagebrush, and juniper and pine woodland. No surface use activity, other than grazing, is carried on in the area.
- 2) The drillsite is on BLM land.
- 3) There are no buildings in the area. There are no ponds, streams or water wells in the area. An archeological survey has been conducted on the area, and a copy of the report has been forwarded to the BLM and the USGS.

12. OPERATOR'S REPRESENTATIVE - Exxon's field representative for contact regarding compliance with the Surface Use Plan is:

H. G. Davidson  
P. O. Box 2300  
Midland, TX 79702  
Office Phone: (915) 685-9355  
Home Phone: (915) 694-5324

13. 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 Exxon Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. A copy of this plan will be posted at the wellsite during the drilling of the well for reference by all contractors and subcontractors.

1-11-82  
Date

  
H. G. Davidson  
Division Drilling Manager

For on-site inspection, contact:

Melba Knipling, 915/685-9406

ELLEN UNIT #1

10 POINT PLAN

December 29, 1981

1. The geological name of the surface formation is: Morrison
2. The estimated tops of the important geological markers are as follows:

Morrison	Surface
Entrada	450'
Carmel	1230'
Navajo	1500'
Chinle	3000'
Volcanics	3330'
Moenkopi	3900'
Kaibab	4500'
White Rim	4560'
Organ Rock	4900'
Hermosa	6600'
Mississippian	7900'

3. Estimated depths at which anticipated oil, water, gas or other mineral bearing formations are expected to be encountered:

Morrison	Water	Surface
Kaibab	Oil	4500'
White Rim	Oil	4560'
Hermosa	Oil	6600'
Mississippian	Oil	7900'

4. Proposed Casing Program:

<u>String</u>	<u>Size/Wt/Grade</u>	<u>Depth Interval</u>
Conductor	20"/94#/H-40	0 - 30'
Surface	9-5/8"/36#/K-55	0 - 600'
Production	5-1/2"/17#/K-55	0 - 7,000'
	5-1/2"/17#/N-80	7,000' - 10,000'

All pipe in new condition.

5. Minimum specifications for pressure control:

A. Casinghead Equipment:

Lowermost Head: 9-5/8" STC x 10" 3000 psi  
 Tubinghead: 10" 3000 x 6" 5000 psi  
 Tubinghead Adapter: 6" 5000 psi x 2-9/16" 5000 psi  
 Tree: 2-9/16" 5000 psi W.P.

B. Blowout Preventer: Refer to attached drawing titled Type II-C to be installed on 9-5/8" casing and Type V to be installed on 20" conductor.

C. BOP Control Unit: Unit will be hydraulically operated and have one control station located 60' or more from wellbore.

D. Testing: Type II-C - 250 psi and 2000 psi - initial installation  
 250 psi and 1200 psi - subsequent tests

An operational test consisting of closing the annular and pipe ram BOP's on the drill pipe and the blind ram BOP's on the open hole will be performed each round trip, but not more than once each day. Pressure tests will be performed approximately once per week during drilling operations.

6. Type and anticipated characteristics of drilling fluid:

Depth Interval (ft)	Mud Type	Weight (ppg)	Funnel Visc (sec/qt)	PV (cp)	YP (#/100 sq ft)	pH
0 - 600'	Spud	-----	Sufficient properties to clean hole			-----
600'-10,000'	FWM	8.0-9.0	26-40	5-15	2-30	8-10

Mud weight and viscosity will be maintained at minimum levels compatible with operating conditions. Not less than 200 bbls of mud will be kept in surface mud pits and at least 200 sx of barite will be stocked on location for well control problems.

7. Auxiliary Equipment:
  - A. Kelly cocks - Upper and lower installed on kelly.
  - B. Safety valve - Full opening ball type to fit each type and size of drill pipe in use. These will be on the rig floor in the open position for stabbing into drill pipe when kelly is not in string.
  - C. Pit volume totalizer to monitor mud pits.
  - D. Trip tank to keep hole full of fluid and to monitor hole behavior on trips.
  
8. The testing and logging program is as follows:

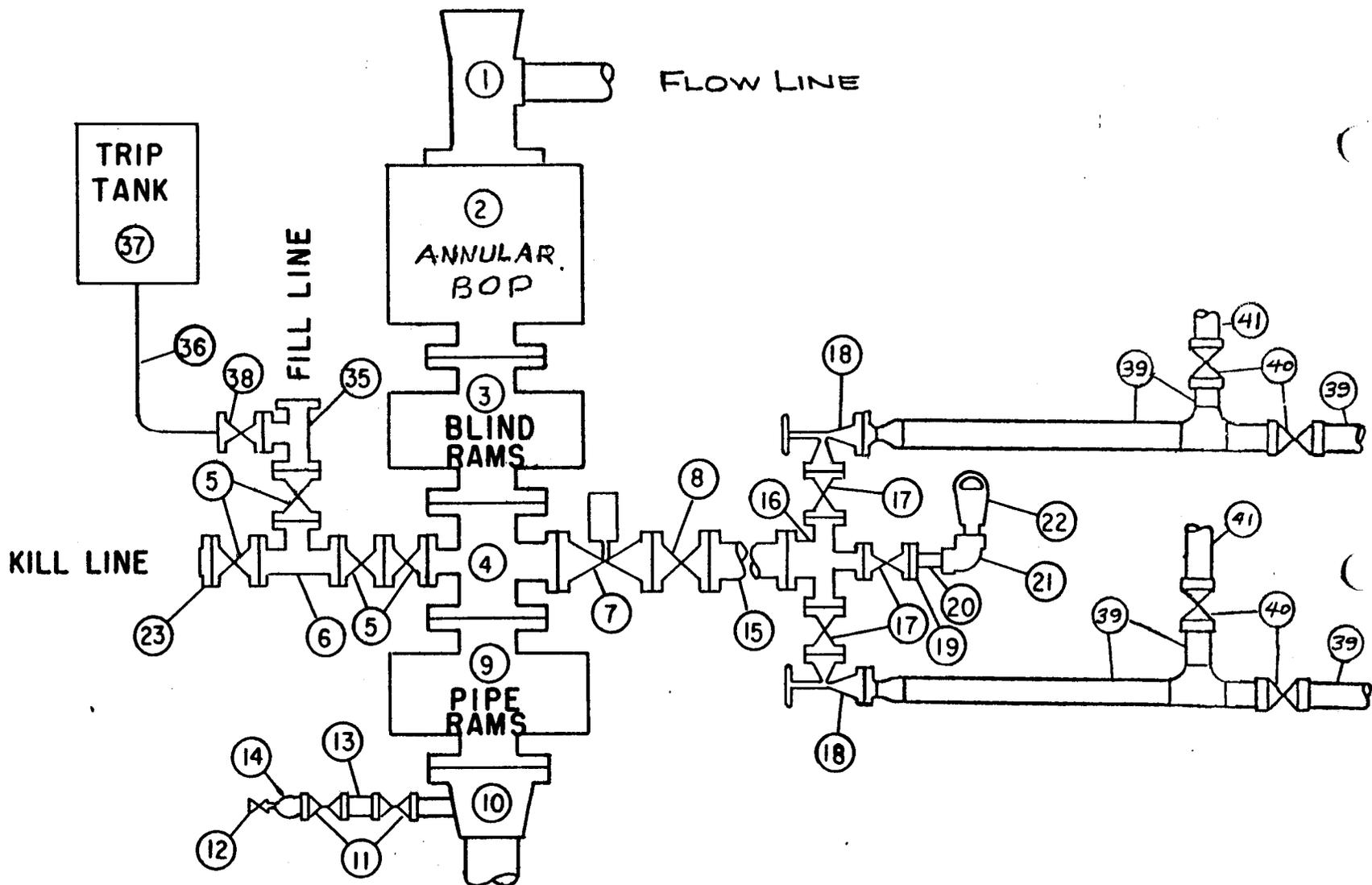
Drill Stem Tests (based on shows) - 1 planned each in the Kaibab, White Rim, Hermosa and Mississippian dolomite formations.

Cores - May be cut in place of DST's

Logs - Mud logger samples and drill time from surface casing to TD. The following logs, all from surface casing to TD: DIL, GR-FDCL, Sonic, Dipmeter and Fracture Identification log.

Stimulation - Assuming a White Rim SS. completion, if well does not flow on its own it will be acidized with 100 gallons per foot of net pay zone with 15% HCl acid. Equipment layout not known since site not built.
  
9. No H<sub>2</sub>S, high temperatures or abnormal pressures are expected to be encountered.
  
10. Drilling operations are planned to begin May 15, 1982 and end on or about July 31, 1982 at which time completion operations will commence and continue through August 31, 1982.

# MIDLAND DRILLING ORGANIZATION BLOWOUT PREVENTER SPECIFICATION TYPE II - C



9/15/73 . . .

BLWOUT PREVENTER SPECIFICATION  
EQUIPMENT DESCRIPTION

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TYPE II-C

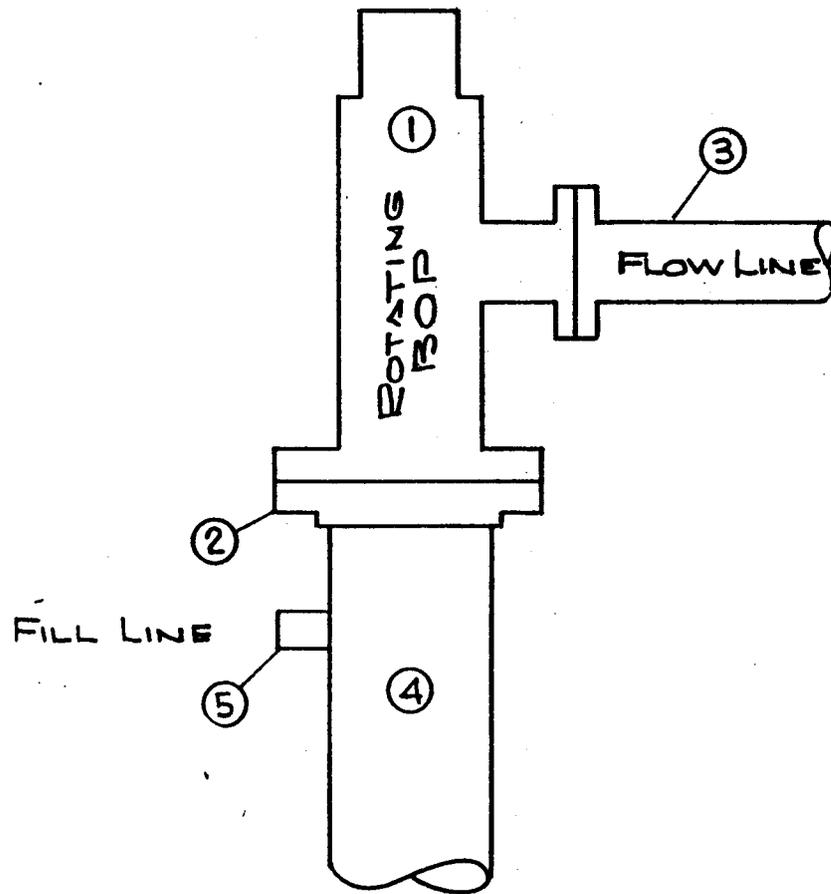
All equipment should be at least 2000 psi WP or higher unless otherwise specified.

1. Bell nipple.
2. Hydril or Shaffer bag type preventer.
3. Ram type pressure operated blowout preventer with blind rams.
4. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
5. 2-inch (minimum) flanged plug or gate valve.
6. 2-inch by 2-inch by 2-inch (minimum) flanged tee.
7. 4-inch pressure operated gate valve.
8. 4-inch flanged gate or plug valve.
9. Ram type pressure operated blowout preventer with pipe rams.
10. Flanged type casing head with one side outlet (furnished by Exxon).
11. 2-inch threaded (or flanged) plug or gate valve (furnished by Exxon).  
Flanged on 5000# WP, threaded on 3000# WP or less.
12. Needle valve (furnished by Exxon).
13. 2-inch nipple (furnished by Exxon).
14. Tapped bull plug (furnished by Exxon).
15. 4-inch flanged spacer spool.
16. 4-inch by 2-inch by 2-inch by 2-inch flanged cross.
17. 2-inch flanged plug or gate valve.
18. 2-inch flanged adjustable choke.
19. 2-inch threaded flange.
20. 2-inch XXH nipple.
21. 2-inch forged steel 90° Ell.
22. Cameron (or equal.) threaded pressure gage.
23. Threaded flange.
  
35. 2-inch flanged tee.
36. 3-inch (minimum) hose. (Furnished by Exxon).
37. Trip tank. (Furnished by Exxon).
38. 2-inch flanged plug or gate valve.
39. 2-1/2-inch pipe, 300' to pit, anchored.
40. 2-1/2-inch SE valve.
41. 2-1/2-inch line to steel pit or separator.

NOTES:

1. Items 3, 4 and 9 may be replaced with double ram type preventer with side outlets between the rams.
2. The two valves next to the stack on the fill and kill line to be closed unless drill string is being pulled.
3. Kill line is for emergency use only. This connection shall not be used for filling.
4. Replacement pipe rams and blind rams shall be on location at all times.
5. Only type U, LWS and QRC ram type preventers with secondary seals are acceptable for 5000 psi WP and higher BOP stacks.
6. Type E ram-type BOP's with factory modified side outlets may be used on 3000 psi or lower WP BOP stacks.

MIDLAND DRILLING ORGANIZATION  
BLOWOUT PREVENTER SPECIFICATION  
TYPE V

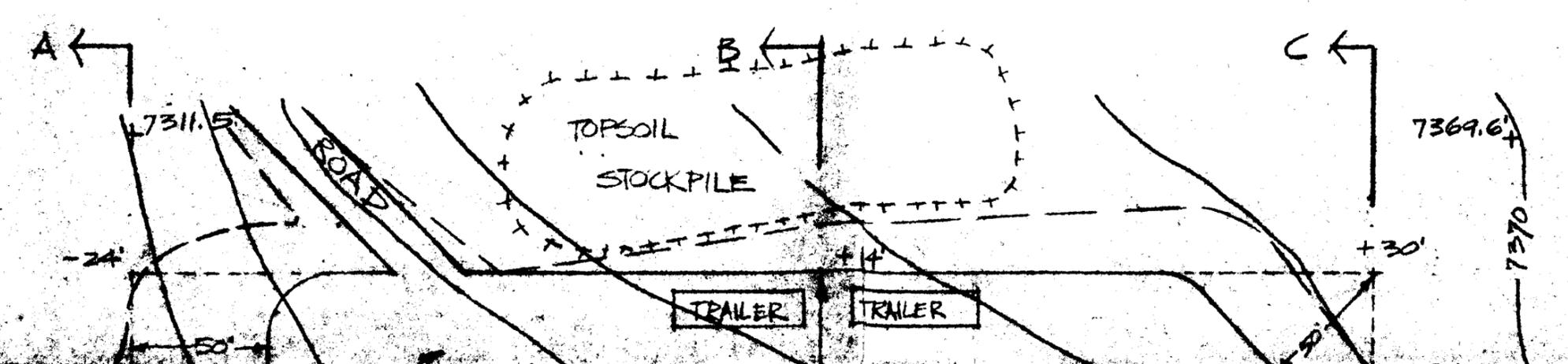
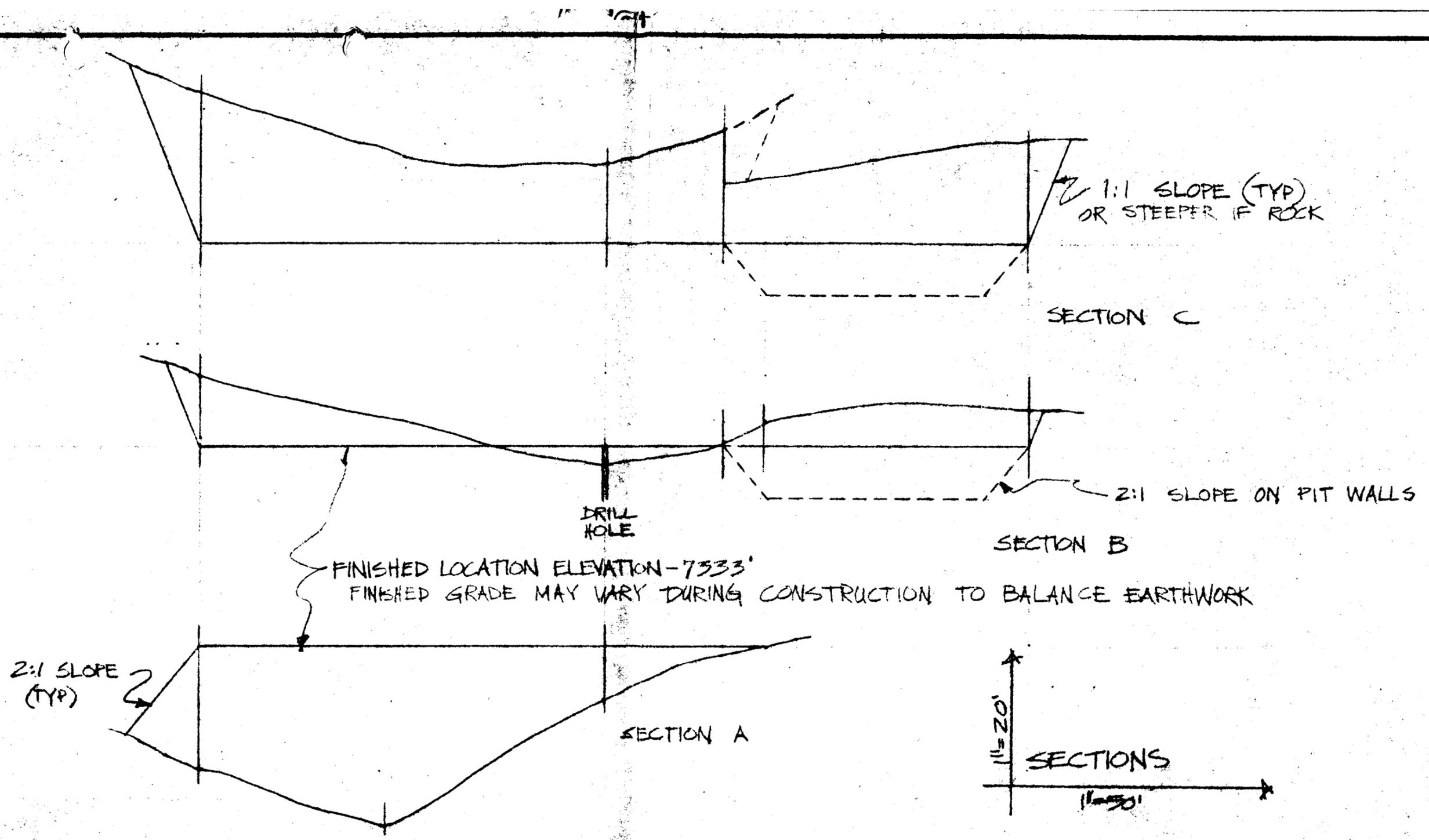


EQUIPMENT FOR FLOW DIVERSION

1. ROTATING TYPE BOP
2. SLIP-ON OR THREADED FLANGE
3. FLOWLINE
4. CONDUCTOR PIPE
5. COUPLING WELDED TO CONDUCTOR

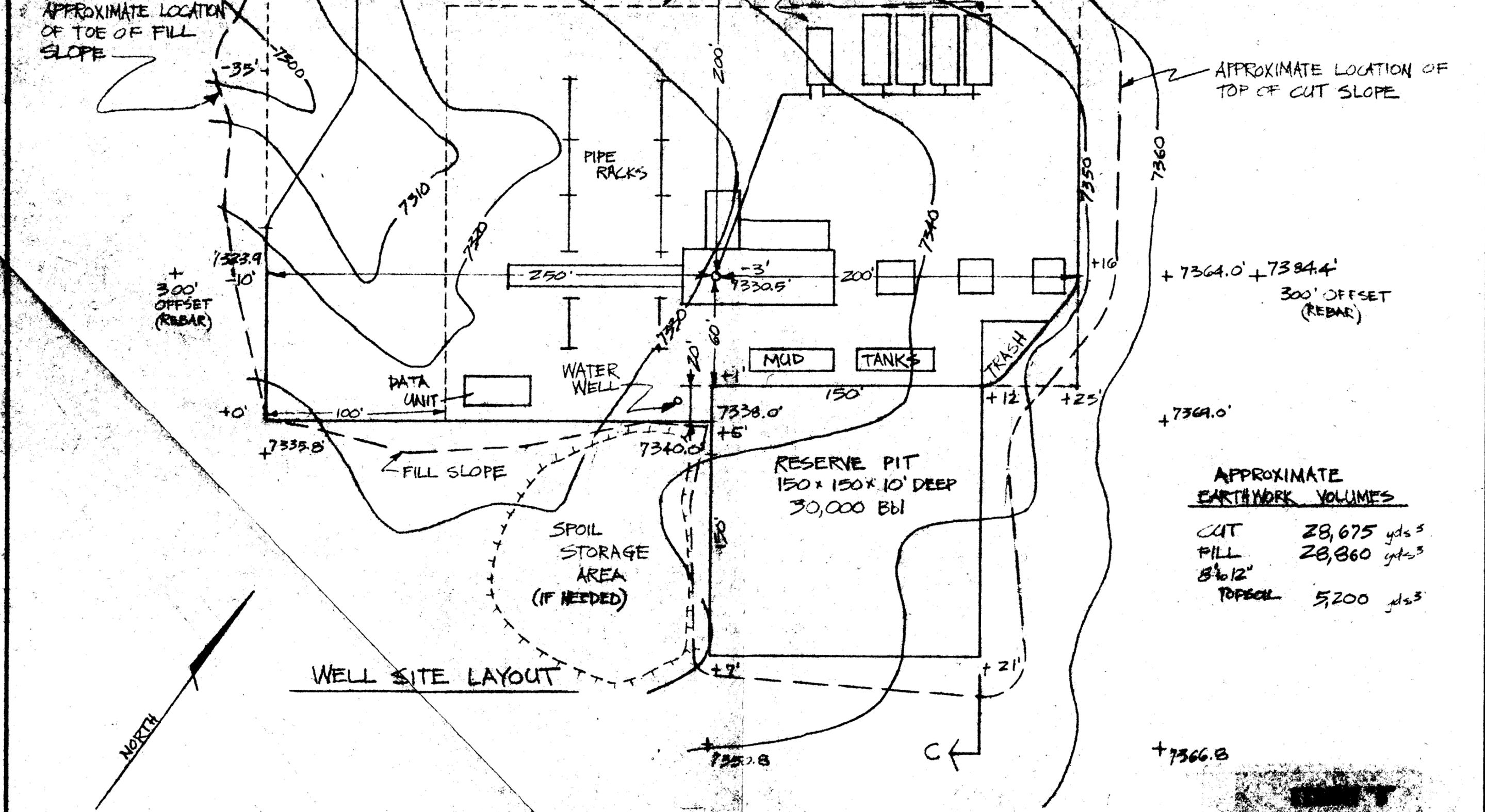
I-16

REV. 9/15/73



APPROXIMATE LOCATION OF TOE OF FILL SLOPE

APPROXIMATE LOCATION OF TOP OF CUT SLOPE



**APPROXIMATE EARTHWORK VOLUMES**

CUT	28,675 yds <sup>3</sup>
FILL	28,860 yds <sup>3</sup>
8 1/2" TOPSOIL	5,200 yds <sup>3</sup>

WELL SITE LAYOUT

NO.	DATE	REVISIONS	BY	CHK.	APP.

ELLEN #1  
 SW NE SEC 24, T31S, R. 9E.  
 GARFIELD COUNTY UTAH

**EXXON COMPANY, U.S.A.**  
 A DIVISION OF EXXON CORPORATION  
**PRODUCTION DEPARTMENT**

DRAWN NFB	DATE SECTION	SCALE 1" = 50'	JOB NO.	FILE NO. C-2081
CHECKED	APPROVED	DATE		

\*\* FILE NOTATIONS \*\*

DATE: 1-26-82

OPERATOR: Exxon Corp.

WELL NO: Allen Unit #1

Location: Sec. 24 T. 31S R. 9E County: Garfield

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-017-30113

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_

Director: OK as per rule C-3(c)

Administrative Aide: OK as per rule C-3(c)

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. \_\_\_\_\_

O.K. Rule C-3

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

Lease Designation Feb

Plotted on Map

Approval Letter Written

Hot Line

P.I.

February 9, 1982

Exxon Corporation  
P. O. Box 1600  
Midland, Texas 79702

RE: Well No. Ellen Unit #1  
Sec. 24, T. 31S, R. 9E  
Garfield, County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

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

CLEON B. FEIGHT - DIRECTOR  
Office: 533-5771  
Home: 466-4455

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

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

The API number assigned to this well is 43-017-30113.

Sincerely,

DIVISION OF OIL, GAS AND MINING



Cleon B. Feight  
Director

CBF/as  
Enclosure  
cc: USGS

J.C.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
(FORM 9-329)  
(2/76)  
OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. U-447  
Communitization Agreement No. NA  
Field Name Wildcat  
Unit Name Ellen Unit  
Participating Area NA  
County Garfield State Utah  
Operator Exxon Corporation

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of October, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & ¼ of ¼	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
<u>Ellen Unit</u>									
1	24 SE/SW	31S	9E	DRG	--	--	--	--	Drlg @ 9790' in shale and dolomite. Logged. Ran 7 7/8" casing.
Orig & lcc:		MMS, P. O. Box 2859, Casper, WY 82602							
2cc:		State of Utah, Natural Resource & Energy Oil, Gas & Mining, 4241 State Office Bldg. Salt Lake City, Utah 84114							
lcc:		Drilling Section							
lcc:		Central File							
2cc:		Proration Specialist							
lcc:		Western Exploration Division, Denver, CO							

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	—	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	—	—	—
*Sold	—	—	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	—	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	—	XXXXXXXXXXXXXXXXXX
*Used on Lease	—	—	XXXXXXXXXXXXXXXXXX
*Injected	—	—	—
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	—
*Other (Identify)	—	—	—
*On hand, End of Month	—	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	—	—	XXXXXXXXXXXXXXXXXX

Authorized Signature: Edgar Runkel Address: P. O. Box 1600, Midland, TX 79702  
Title: Unit Head Page 1 of 1

BACK  
ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator EXXON CORPORATION Representative BUCK SMITH

Well No. #1 Location SE ¼ SW ¼ Section 24 Township 31S Range 9E

County Garfield Field Wildcat State Utah

Unit Name and Required Depth Ellen Base of fresh water sands \_\_\_\_\_

T.D. 8051' Size hole and Fill per sack \_\_\_\_\_ " \_\_\_\_\_ Mud Weight and Top \_\_\_\_\_ #/gal. \_\_\_\_\_

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
<u>9 5/8"</u>	<u>5100'</u>	_____	_____	<u>1. 8051'</u>	<u>7292'</u>	<u>As Necessary</u>
_____	_____	_____	_____	<u>(50' above base of Hermosa)</u>		
<u>Formation</u>	<u>Top</u>	<u>Base</u>	<u>Shows</u>	<u>2. 6400'</u>	<u>5762'</u>	<u>As necessary</u>
_____	_____	_____	_____	<u>(50' above base of Cedar Mesa)</u>		
_____	_____	_____	_____	<u>3. 5200'</u>	<u>4900'</u>	_____
_____	_____	_____	_____	<u>(Top of Cedar Mesa into intermediate casing)</u>		
_____	_____	_____	_____	<u>Will test White Rim sand @</u>		
_____	_____	_____	_____	<u>4443'</u>	<u>4850'</u>	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

REMARKS

DST's, lost circulation zones, water zones, etc., \_\_\_\_\_

MMS approval previously received by Operator.

Approved by R. J. Firth Date 11-22-82 Time \_\_\_\_\_ a.m.  
 \_\_\_\_\_ p.m.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
(FORM 9-329)  
(2/76)  
OMB 42-RO 356

Lease No. U-44706  
Communitization Agreement No. NA  
Field Name Wildcat  
Unit Name Ellen Unit  
Participating Area NA  
County Garfield State Utah  
Operator Exxon Corporation  
 Amended Report

MONTHLY REPORT  
OF  
OPERATIONS

The following is a correct report of operations and production (including status of all unplugged wells) for the month of November, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
<u>Ellen Unit</u>									
1	24 SE/SW	31S	9E	DRG	None	None	None	None	Drig @ 8051' TD. Logging. DST #1 7646-8051'. DST #2 7645-8051'. Set plugs: #1 8051-7292' #2 6405-5762' #3 4995-4306' Perfed. Logged FRR 11-29-82. <i>Final Report.</i>
Orig & lcc:		MMS, P. O. Box 2859, Casper, WY 82602							
2cc:		State of Utah, Natural Resource & Energy Oil, Gas & Mining, 4241 State Office Bldg. Salt Lake City, UT 84114							
lcc:		Drilling Section							
lcc:		Central File							
2cc:		Proration Specialist							
lcc:		Western Exploration Division, Denver CO							

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	-	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	-	-	-
*Sold	-	-	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	-	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	-	XXXXXXXXXXXXXXXXXX
*Used on Lease	-	-	XXXXXXXXXXXXXXXXXX
*Injected	-	-	-
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	-
*Other (Identify)	-	-	-
*On hand, End of Month	-	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	-	-	XXXXXXXXXXXXXXXXXX

Authorized Signature: Edgar Runkel Address: P. O. Box 1600, Midland, TX 79702  
Title: Unit Head Page 1 of 1

Date Submitted: December 7, 1982

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well  gas well  other  Dry Hole

2. NAME OF OPERATOR  
Exxon Corporation

3. ADDRESS OF OPERATOR  
P. O. Box 1600, Midland, TX 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1610' FEL and 2033' FNL of Section  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
U-44706

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

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
Ellen Unit

9. WELL NO.  
1

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 24, T31S, R9E

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

14. API NO.  
43-017-30113

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
7331' GR

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

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

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

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

Plugs were set as follow to plug and abandon the above well.

- Plug 1: 7292-8051' w/563 sx C1 H.
  - 2: 5762-6405' w/178 sx C1 H
  - 3: 4950-5206' w/ 68 sx C1 H w/retainer @ 4995'
  - 4: 4261-4773' w/100 sx C1 H w/retainer @ 4389'
  - 5: 2472-2600' w/ 25 sx C1 H
  - 6: Surface-- 384' w/75 sx C1 H
- Install dry hole marker  
P & A 11-29-82

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 12/9/82  
BY: [Signature]

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

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

SIGNED Charlotte Karper TITLE Accountant DATE Decmeber 9, 1982

(This space for Federal or State office use)

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

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

SUBMIT IN DUPLICATE

(See instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-44706

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Ellen Unit

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 24, T31S, R9E

12. COUNTY OR PARISH  
Garfield

13. STATE  
Utah

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

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

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

2. NAME OF OPERATOR

Exxon Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1600 Midland TX 79702

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

At surface 1610' FEL and 2033' FNL of Section

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

43-017-30113 6-9-82

15. DATE SPUNDED 8-30-82 16. DATE T.D. REACHED 11-6-82 17. DATE COMPL. (Ready to prod.) P&A as a dry hole 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 7331' GR 19. ELEV. CASINGHEAD ---

20. TOTAL DEPTH, MD & TVD 8051' 21. PLUG, BACK T.D., MD & TVD 4905' 22. IF MULTIPLE COMPL., HOW MANY\* --- 23. INTERVALS DRILLED BY --- ROTARY TOOLS X CABLE TOOLS ---

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* White Rim 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL-SFC-IGR, CNL-FDC, BHC 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
20"	94.0#	50'	26"	Readi Mix to Surface	---
9 5/8"	40.0#	1493'	12 1/4"	1025 sx C1 G	---
7 5/8"	33.7#	5099'	8 1/2"	800 sx C1 G	---

29. LINER RECORD 30. TUBING RECORD

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

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

INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4443-4652' w/92 shots	
1 9/16" csg gun	
	No stimulation

33.\* PRODUCTION

DATE FIRST PRODUCTION P & A as dry hole 11-29-82 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

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

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

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

35. LIST OF ATTACHMENTS

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

SIGNED Charlotte Skyer TITLE Accountant DATE December 9, 1982

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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 53, below regarding separate reports for separate completions.

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

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

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

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

CONFIDENTIAL

**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.
Wingate	4443	4517	Zones perf'd and N <sub>2</sub> pumped, rec'd total 207 bbls load water
Mississippian	7647	8051	DST #1 - 60-Y25-280-10 tool plugged, test failed
	7646	8051	DST #2 IHP 3684 IFP 2081-2104 ISIP 2144 FFP 2133-2142 FSIP * Rec'd 4869' H <sub>2</sub> O splr rec'd 1500cc H <sub>2</sub> O  *exceeded clock cycle

**38. GEOLOGIC MARKERS**

NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Sommerville	540'	
Entrada	795	
Carmel	1660	
Navaho	1888	
Kayenta	2945	
Winguta	3160	
Chinle	3360	
Intrusive	3770	
Shinarump	3945	
Moenkopi	3960	
Kaibab	4390	
White Rim	4440	
Organ Rock	4795	
Cedar Mesa	5170	
Elephant Canyon	5810	
Hermosa	6380	
Molas	7340	
Mississippian "C"	7495	
Mississippian "C"	7670	

