

UTAH OIL AND GAS CONSERVATION COMMISSION

M

CP

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. _____

DATE FILED 12-1-83

LAND: FEE & PATENTED X STATE LEASE NO. _____ PUBLIC LEASE NO. _____ INDIAN _____

DRILLING APPROVED 12-2-83 - OIL (Exception Location)

SPUDDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: L.A. 12-03-83

FIELD: 3/86 WILDCAT

UNIT: _____

COUNTY: SAN JUAN

WELL NO. TXC-UCOLO 1-31 API #43-037-30965

LOCATION 1600' FNL FT. FROM (N) (S) LINE. 500' FEL FT. FROM (E) (W) LINE. SENE 1/4 - 1/4 SEC. 31

TWP.	RGE	SEC.	OPERATOR	TWP.	RGE	SEC.	OPERATOR
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35S	26E	31	TRANSCO EXPLORATION CO.
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2800 Post Oak Boulevard
P. O. Box 1396
Houston, Texas 77251
713-439-2000

REC'D TXC-DENVER

NOV 31 1983

LAND DEPARTMENT

November 30, 1983

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

ATTN: Mr. Norm Stout

RE: Application for Permit to Drill
TXC #1-31 Ucolo
San Juan County, Utah

Gentlemen:

Enclosed in triplicate is Transco's application for permission to drill the above-referenced well. A copy of the Utah Division of Water Rights approval will be submitted to your office as soon as it is received.

Should you have any questions concerning this application or require additional information, please contact Kay Morgan at (713) 439-3502.

Sincerely,

TRANSCO EXPLORATION COMPANY

A handwritten signature in cursive script that reads 'Kay L. Morgan'.

Kay L. Morgan
Drilling Administrator

/KLM

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

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

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 Wildcat Single Zone Multiple Zone

2. Name of Operator
 Transco Exploration Company, ATTN: Kay Morgan (713) 439-3502

3. Address of Operator
 P. O. Box 1396, Houston, Texas 77251

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
 At surface 1600' FNL & 500' FEL of Sec. 31 (SE 1/4 NE 1/4)
 At proposed prod. zone Same (Straight Hole)

5. Lease Designation and Serial No.
 Fee (Ross O. Carhart)

6. If Indian, Allottee or Tribe Name
 -

7. Unit Agreement Name
 -

8. Farm or Lease Name
 TXC-Ucolo

9. Well No.
 1-31

10. Field and Pool, or Wildcat
 Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area
 Sec. 31, T35S, R26E

14. Distance in miles and direction from nearest town or post office*
 Approximately 12 miles southwest of Dove Creek, Colorado

12. County or Parrish 13. State
 San Juan Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drilg. line, if any)
 500'

16. No. of acres in lease 17. No. of acres assigned to this well
 960 160

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

19. Proposed depth 20. Rotary or cable tools
 6500' Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
 6689.4' (Ungraded)

22. Approx. date work will start*
 December 10, 1983

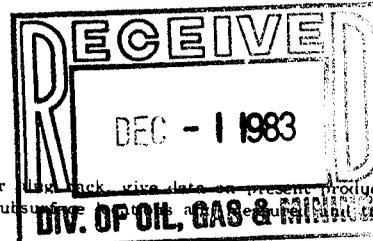
Akah Salt

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
20"	13 3/8"	Culvert	100'+	Cement to Surface
12 1/4"	9 5/8"	36# K-55	2000'	750 sx (Circ. to surf.)
7 7/8"	5 1/2"	17# N-80	6500'	500 sx

Transco proposes to drill this well to 6500' to test the Pennsylvanian Akah Salt and Lower Desert Creek formations. If productive, casing will be run to TD and the well will be completed. If dry, the well will be plugged and abandoned in accordance with Utah state regulations.

Transco respectfully requests an exception location under the provisions of Rule C-3-c for geological reasons. The interest in drilling the subject well is common within the 660' radius; therefore, no other interests will be effected.



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

24. Signed: *[Signature]* Title: Drilling Superintendent Date: 11/30/83

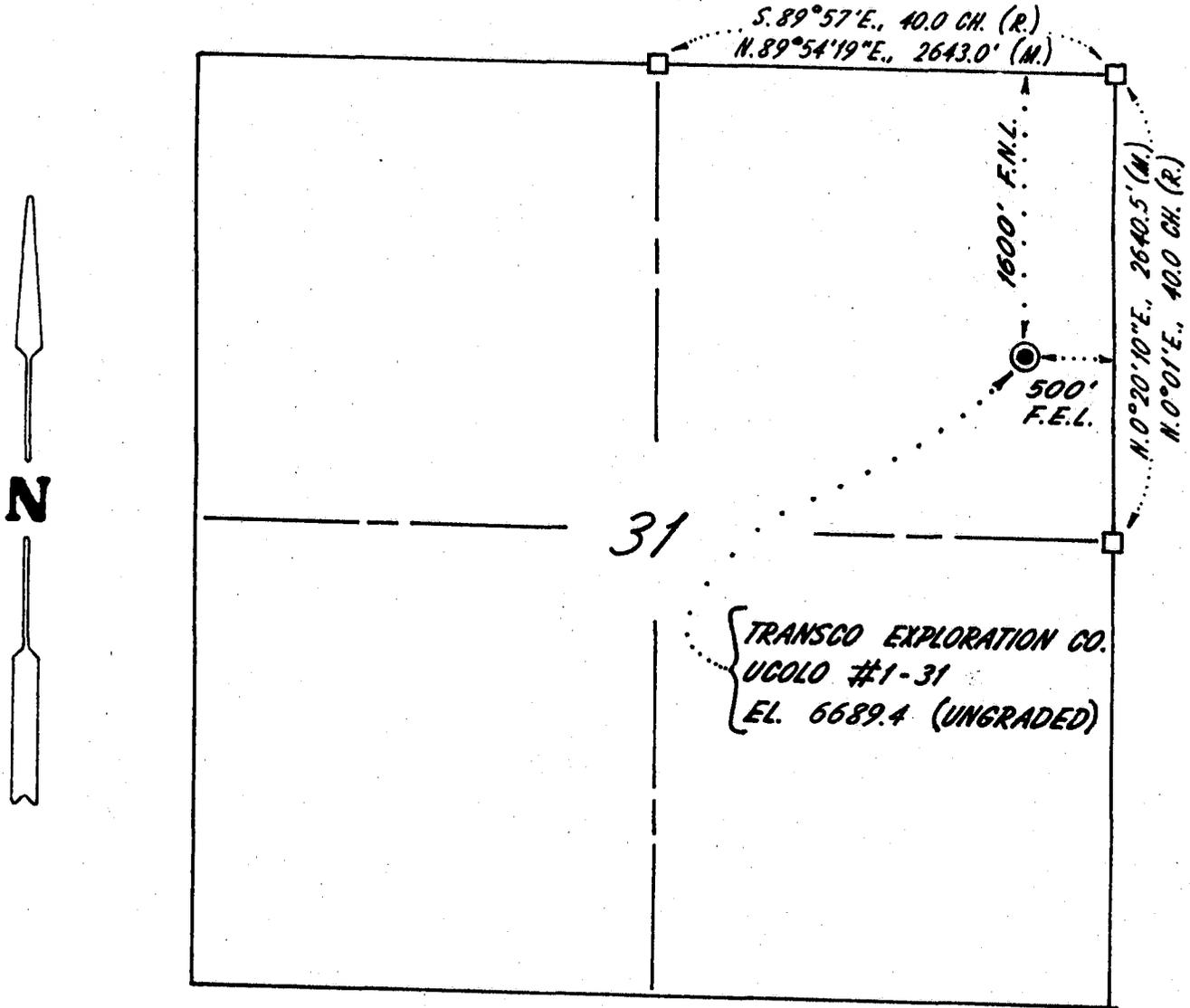
(This space for Federal or State office use)

Permit No. Approval Date

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

PATHFINDER ENGINEERING AND LAND SURVEYING, INC.
 300 COUNTRY CLUB ROAD, SUITE 305
 CASPER, WYOMING 307-266-3809

T.35S., R.26E., SALT LAKE BASE & MERIDIAN, SAN JUAN CO., UTAH
 SECTION 31



□ = FOUND G.L.O. BRASS CAP

BASIS OF BEARINGS: SOLAR OBSERVATION

SCALE: 1" = 1000'

● = SURVEYED WELL LOCATION

SURVEYORS CERTIFICATE

STATE OF WYOMING)
 COUNTY OF NATRONA) S.S.

PLATTED FIELD NOTES OF A SURVEY
 MARKING WELL LOCATION UCOLO #1-31
 SE 1/4 NE 1/4 SEC. 31, T.35S., R.26E.,
 SALT LAKE BASE & MERIDIAN,
 SAN JUAN CO., UTAH

I, PAUL A. REID, HEREBY STATE THAT I AM A REGISTERED LAND SURVEYOR IN THE STATE OF UTAH UNDER THE PROVISIONS OF UTAH LAW. I FURTHER STATE THAT THIS PLAT REPRESENTS A SURVEY MADE BY ME ON NOV. 27, 1983 FOR THE PURPOSE OF AN APPLICATION FOR PERMIT TO DRILL. ANY OTHER USE OF THIS PLAT WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE SURVEYOR IS PROHIBITED.

Paul A. Reid

PAUL A. REID UTAH REG. L.S. 5669

JOB NO: 107-10183

DATE: 11-27-83

NOTES: W.L. BOOK NO. 9, PG'S 1-2



UNGRADED ELEVATION OF TRANSCO EXPLOR. CO., UCOLO #1-31 6689.4

UNGRADED ELEVATIONS OF REFERENCE POINTS SET WITH 12" x 3/8" SPIKES.

NORTH.	200 FEET.	6695.4
SOUTH.	" "	6685.2
EAST.	" "	6689.4
WEST.	" "	6686.3

BASIS OF ELEVATIONS: U.S.G.S. 15' QUAD. "MONUMENT CANYON, UTAH-COLO.", NW COR. SEC. 28, T.35S., R.26E., PRINTED ELEV. 6733

TRANSCO EXPLORATION COMPANY
UCOLO #1-31
DRILLING PROGNOSIS

1. Surface Formation:

Cretaceous Dakota Undifferentiated

2. & 3. Formation Tops:

Ground Elevation - 6689.4' (Ungraded)

- A. Morrison - 205'
- B. Chinle - 1960'
- C. Cutler - 2755'
- D. Honaker Trail - 4622'
- E. Paradox - 5325'
- F. Upper Ismay - 6033'
- G. Lower Ismay - 6179'
- H. Upper Desert Creek - 6280'
- I. Lower Desert Creek - 6392'
- J. Salt - 6468' ✓
- K. TD - 6500'

If any water zones are encountered, they will be adequately protected and reported; none anticipated. The 2000' of surface casing will protect any near surface fresh water zones.

4. Casing Programs: (All New)

<u>Hole Size</u>	<u>Interval</u>	<u>Size</u>	<u>Weight Grade</u>	<u>Cement Type</u>
20"	0-100'+	13-3/8"	Culvert	
12 1/2"	0-2000'	9-5/8"	36#, K-55	"B"
7-7/8"	0-6500'	5-1/2"	17#, N-80	"B" Pozmix

5. Minimum Pressure Control Equipment: (Schematic Attached)

Type : 10" - 900 Series (Double gate hydraulic w/manual and remote controls)
 Pressure Rating : 3000 psi
 Testing Procedure: Equipment will be pressure tested to 70% internal yield strength surface casing and operational checks will be made daily and recorded on tour sheet.

6. Mud Program: (Visual Monitoring)

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt</u> (PPG)	<u>Viscosity</u> (sec/at)	<u>W.L.</u>
0-2000'	Water, Gel, Lime	8.4 - 8.6	25 - 35	N/C
2000'-6500'	LSND	8.5 - 11.6	35 - 45	15 cc or less

6. Mud Program (Con't)

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise. Mud inventory to be stockpiled on location. Will not be less than the amount needed for the mud system as required to drill this well.

7. Auxiliary Equipment:

- A. A lower kelly cock will be kept in the string at all times.
- B. Periodic checks will be made each tour of the mud system.
- C. A stabbing valve will be kept on the derrick floor to be stabbed into the drill pipe whenever the kelly is not in the string.
- D. No bit float will be used.
- E. Monitoring of the mud system will be visual and flow sensor device.

8. Evaluation Program:

Logs: DIL, FDC-CNL, BHC - total depth to surface.

Cores: Possible sidewall cores, open hole desert creek.

DST's: Two (2) or as warranted by shows or logs.

Stimulation: No stimulation has been formulated for this test at this time. If production casing is run, the potential producing interval will be perforated with jets. The State will be notified by "Sundry Notice" of a complete stimulation program. The drillsite, as approved, will be of sufficient size to accomodate all completion activities.

9. Abnormal Conditions:

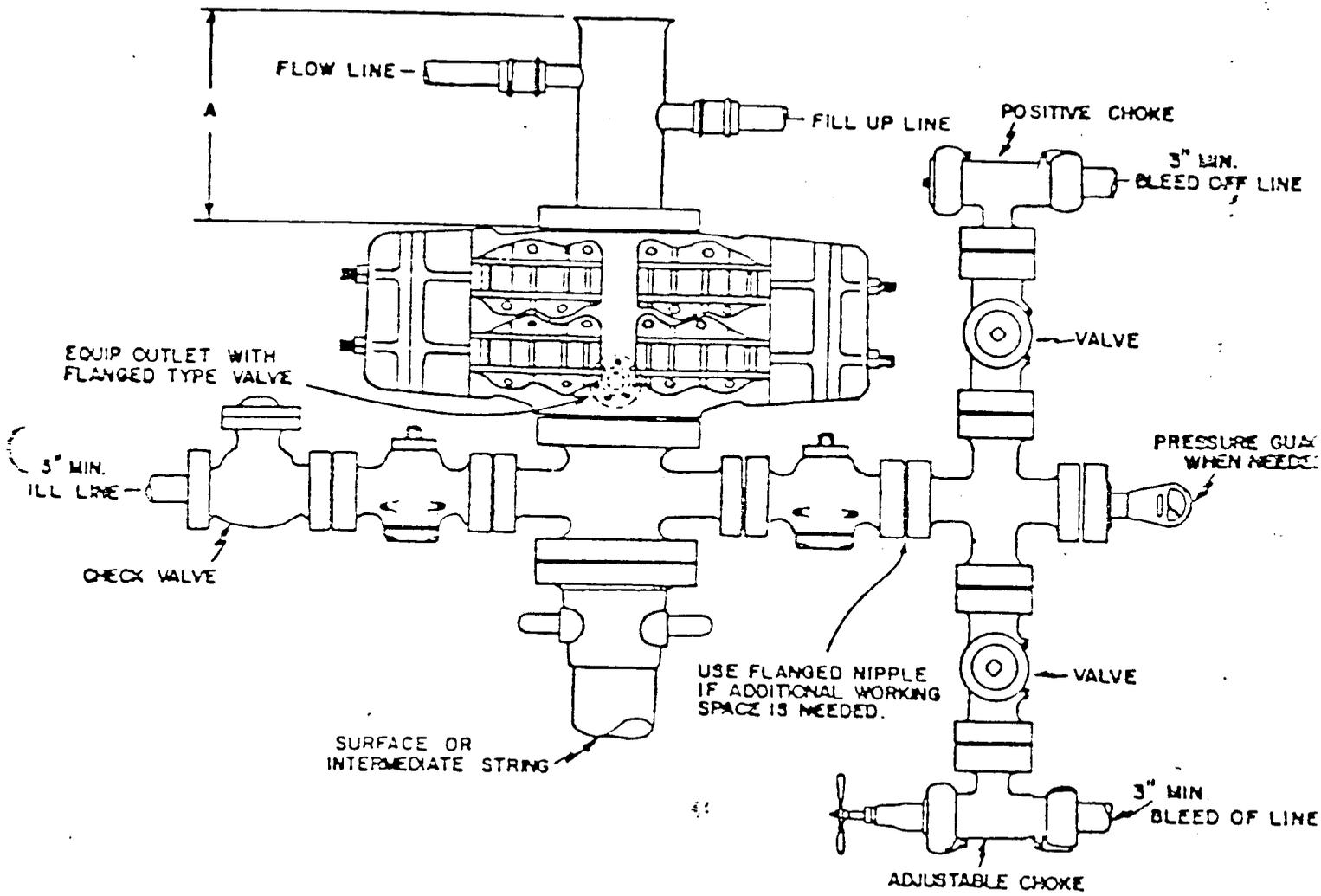
It is not anticipated that abnormal temperatures, pressures or toxic gases will be encountered. No H₂S has been reported or know to exist from previous drilling in the area at this depth.

10. Drilling Activity:

Anticipated Commencement Date: December 10, 1983

Required Drilling Days: Approximately 25

Required Completion Days: Approximately 30



BLOWOUT PREVENTER

9-10 inch

3000 psi

DESIGNATION OF OPERATOR

The undersigned is, ~~on the records of the Bureau of Land Management, holder of lease~~ holder of that certain Oil and Gas Lease dated December 8, 1980 between Ross O. Carhart ~~DISTRICT LAND OFFICE:~~ and Cynthia P. Carhart, as Lessor, and Tierra Petroleum ~~SERIAL NO.:~~ Corporation, as Lessee, recorded under Volume 623, Pages 977-979 of the Records of San Juan County, Utah.

and hereby designates

NAME: Transco Exploration Company
ADDRESS: One United Bank Center
1700 Lincoln, Suite 2100 Denver, Colorado 80203

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 35 South, Range 26 East
Section 31: NE/4
San Juan County, Utah

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.

EDWIN L. COX & BERRY R. COX

By: James E. Anderson
(Signature of lessee)
James E. Anderson
Division Exploration Manager
1675 Broadway, Suite 2800
Denver, Colorado 80202
(Address)

November 30, 1983
(Date)

(Submit in triplicate to Board of Oil, Gas & Mining, Department of Natural Resources in and for the State of Utah)

DESIGNATION OF OPERATOR

The undersigned is, on the records of San Juan County, Utah, holder of 50% working interest in the described lease:

State Office: Board of Oil, Gas & Mining for State of Utah
Lessor: Ross O. Carhart & Cynthia P. Carhart, his wife
Dove Creek, Colorado 81324
Lease dated 12/8/80, recorded 12/22/80 in
Book 623, Page 977

and hereby designates

Name: TRANSCO EXPLORATION COMPANY
Address: One United Bank Center, Suite 2100
1700 Lincoln Street
Denver, Colorado 80203

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 commissioner 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 35 South, Range 26 East, S.L.M.
Section 31: NE $\frac{1}{4}$

containing 160 acres, more or less

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 Board of Oil, Gas & Mining, Department of Natural Resources in and for the State of Utah.

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

SABINE PRODUCTION COMPANY

J. E. West, Attorney-in-Fact
(Signature of Lessee)

600 17th Street, Suite 1200N
Denver, Colorado 80202
(Address)

November 30, 1983
(Date)

OPERATOR TRANSCO EXPLORATION CO

DATE 12-1-83

WELL NAME TXC-UCOLO 1-31

SEC SENE 31 T 35S R 26E COUNTY SAN JUAN

43-037-30965
API NUMBER

FEE
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

NO OIL WELLS WITHIN 1000'

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

DATE: 12-2-83

BY: [Signature]

CHIEF PETROLEUM ENGINEER REVIEW:

12/5/83

Exception location ✓

APPROVAL LETTER:

SPACING:

A-3

UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

1- WATER

2- DRILLING FLUIDS AND CEMENT WHICH COME IN CONTACT
WITH THE "SALT SECTION" SHALL BE SALT SATURATED.

- RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.
- AUTHENTICATE LEASE AND OPERATOR INFORMATION
- VERIFY ADEQUATE AND PROPER BONDING *BLANKET*
- AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.
- APPLY SPACING CONSIDERATION

ORDER NO

UNIT NO

c-3-b

c-3-c

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

- CHECK DISTANCE TO NEAREST WELL.
- CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.
- IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER
- IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.
- VERIFY LEGAL AND SUFFICIENT DRILLING WATER

December 2, 1983

Tansco Exploration Company
attn: Kay Morgan
P. O. Box 1396
Houston, Texas 77251

RE: Well No. TXC-Ucolo 1-31
SENE Sec. 31, T. 35S, R. 26E
1600' FNL, 500' FEL
San Juan County, Utah

Gentlemen:

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. Prior to spudding, a copy of the Utah Division of Water Rights (Phone No. 801-533-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void.

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

RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

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 43-037-30965.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
Encl.

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

PERMIT IN TRIPLICATE*
(Other instructions on reverse side)

8

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> WILDCAT		5. LEASE DESIGNATION AND SERIAL NO. Fee (Ross O. Carhart)
2. NAME OF OPERATOR TRANSCO EXPLORATION COMPANY ATTN: KAY MORGAN (713) 439-3502		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---
3. ADDRESS OF OPERATOR P. O. BOX 1396, HOUSTON, TEXAS 77251		7. UNIT AGREEMENT NAME ---
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1600' FNL & 500' FEL OF SEC. 31 (SE $\frac{1}{4}$ NE $\frac{1}{4}$)		8. FARM OR LEASE NAME TXC-UCOLO
14. PERMIT NO. 43-037-30965		9. WELL NO. 1-31
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6689.4' (Ungraded)		10. FIELD AND POOL, OR WILDCAT WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 31, T35S, R26E
		12. COUNTY OR PARISH SAN JUAN
		13. STATE UTAH

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

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (including completion 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.)*

L.A.

PLEASE CANCEL OUR APPLICATION FOR PERMIT TO DRILL TXC-UCOLO #1-31.

RECEIVED
DEC 16 1983

DIVISION OF
OIL, GAS & MINING

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

SIGNED Kay J. Morgan TITLE Drilling Administrator DATE 12-09-83

APPROVED BY _____ TITLE _____ DATE _____