



POWERS ELEVATION

OIL WELL ELEVATIONS AND LOCATIONS
CHERRY CREEK PLAZA, SUITE 1201
800 SOUTH CHERRY STREET
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

September 19, 1980

Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, Utah 84116

RE: Application for Permit to Drill
Northwest Exploration Company
#2 Utah State
Sec. 32 T16S R25E
1827' FNL & 1294' FWL
Grand County, Utah



Gentlemen:

Enclosed are three copies of Form OGC-1a, Location and Elevation plat, the Ten-Point Compliance Program, and Blowout Preventer Diagram for the above-referenced well location.

Please return the approved copies to:

Art Stewart
Northwest Exploration Company
1457 One Park Central
1515 Arapahoe
Denver, Colorado 80202

Sincerely yours,

POWERS ELEVATION

Chris Worsham

Chris Worsham
Editor, Environmental Reports

CW/sfh

Enclosures

cc: Art Stewart

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. Lease Designation and Serial No. ML-34629

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

7. Unit Agreement Name N/A

8. Farm or Lease Name Utah State

9. Well No. #2

10. Field and Pool, or Wildcat Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area Sec. 32 T16S R25E

12. County or Parrish Grand 13. State Utah

14. Distance in miles and direction from nearest town or post office* approximately 30 miles South of Green River, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 1294'

16. No. of acres in lease 600

17. No. of acres assigned to this well 320

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

19. Proposed depth 5725'

20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.) 6052'GR

22. Approx. date work will start* October 1, 1980

23. **PROPOSED CASING AND CEMENTING PROGRAM**

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
8-3/4"	7"	20# K-55	1000'	280 sacks
6-1/4"	4-1/2"	10.5# K-55	5725'	150 sacks

circ. to surface.

See attached Ten-Point Compliance Program for additional information

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: 12-15-80
BY: M. J. Winder

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 Mike Sunbough Title Drilling Engineer Date 9/2/80

(This space for Federal or State office use)

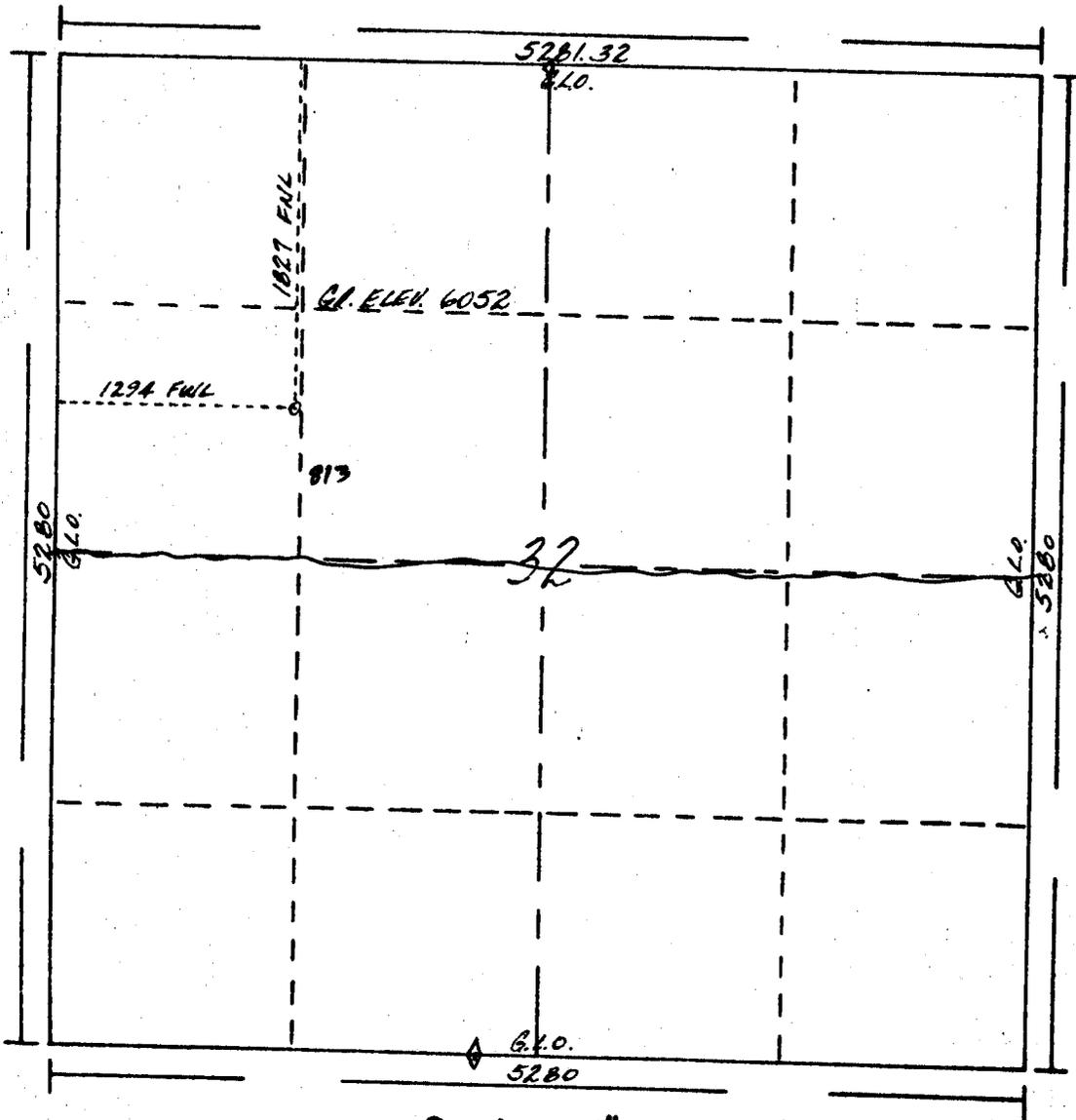
Permit No. Approval Date

Approved by Title Date

Conditions of approval, if any:



R. 25 E.



T. 16 S.

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado has in accordance with a request from *Bill Billman* for *NORTHWEST EXPLORATION CO.* determined the location of *#2 Utah State* to be *1827' FNL & 1294' FNL* of *Section 32 Township 16 S.* *Range 25 E. of the Salt Lake Base and Meridian* *Grand County, Utah*

I hereby certify that this plat is an accurate representation of a correct survey showing the location of *#2 UTAH STATE*

Date: 9-11-80

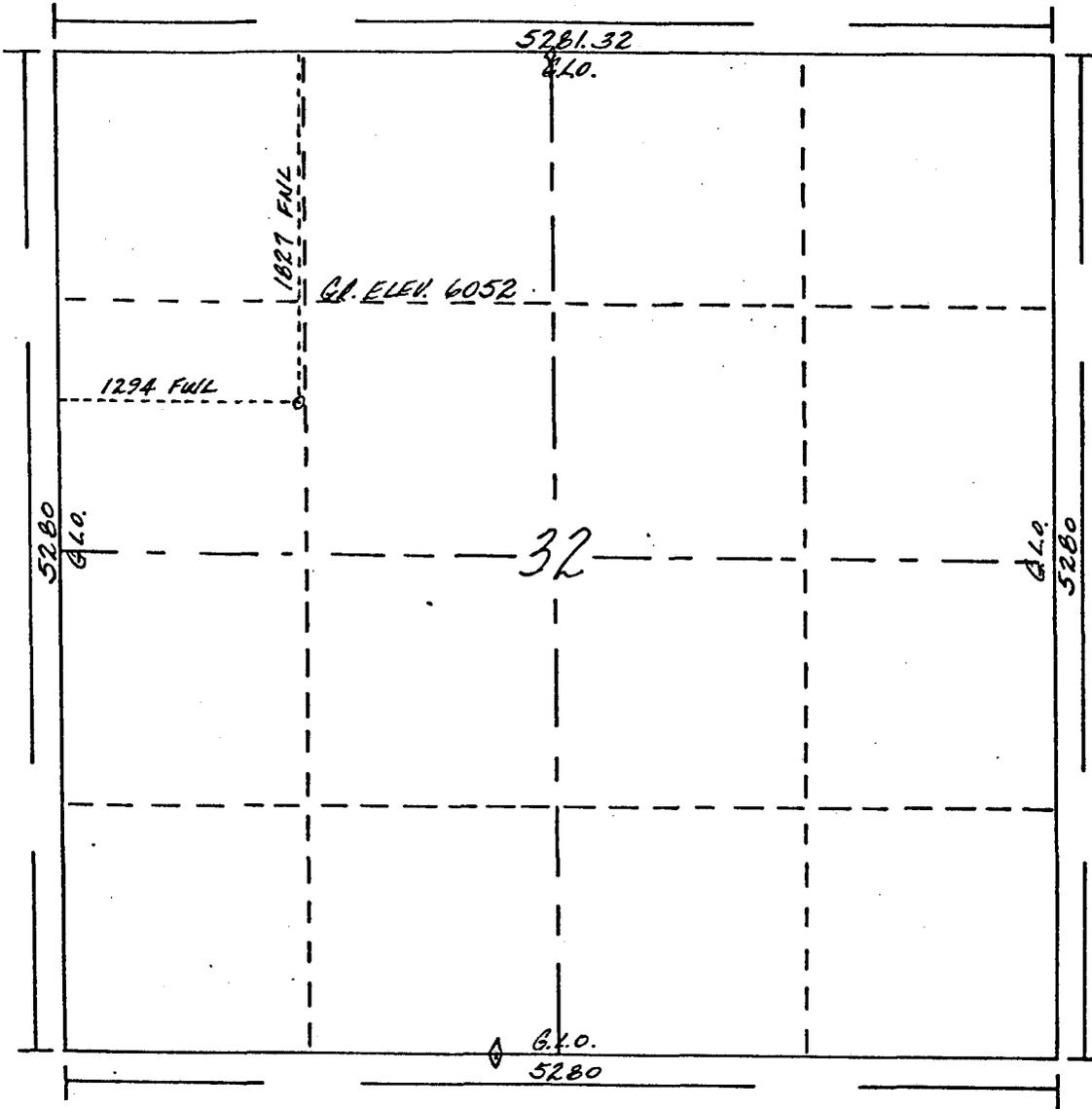
Jerry D. Becker
 Licensed Land Surveyor No. 4189
 State of Utah



RECEIVED
SEP 18 1980

NORTHWEST EXPLORATION COMPANY
DENVER, COLORADO

R. 25 E.



T.
16
S.

Scale... 1" = 1000'

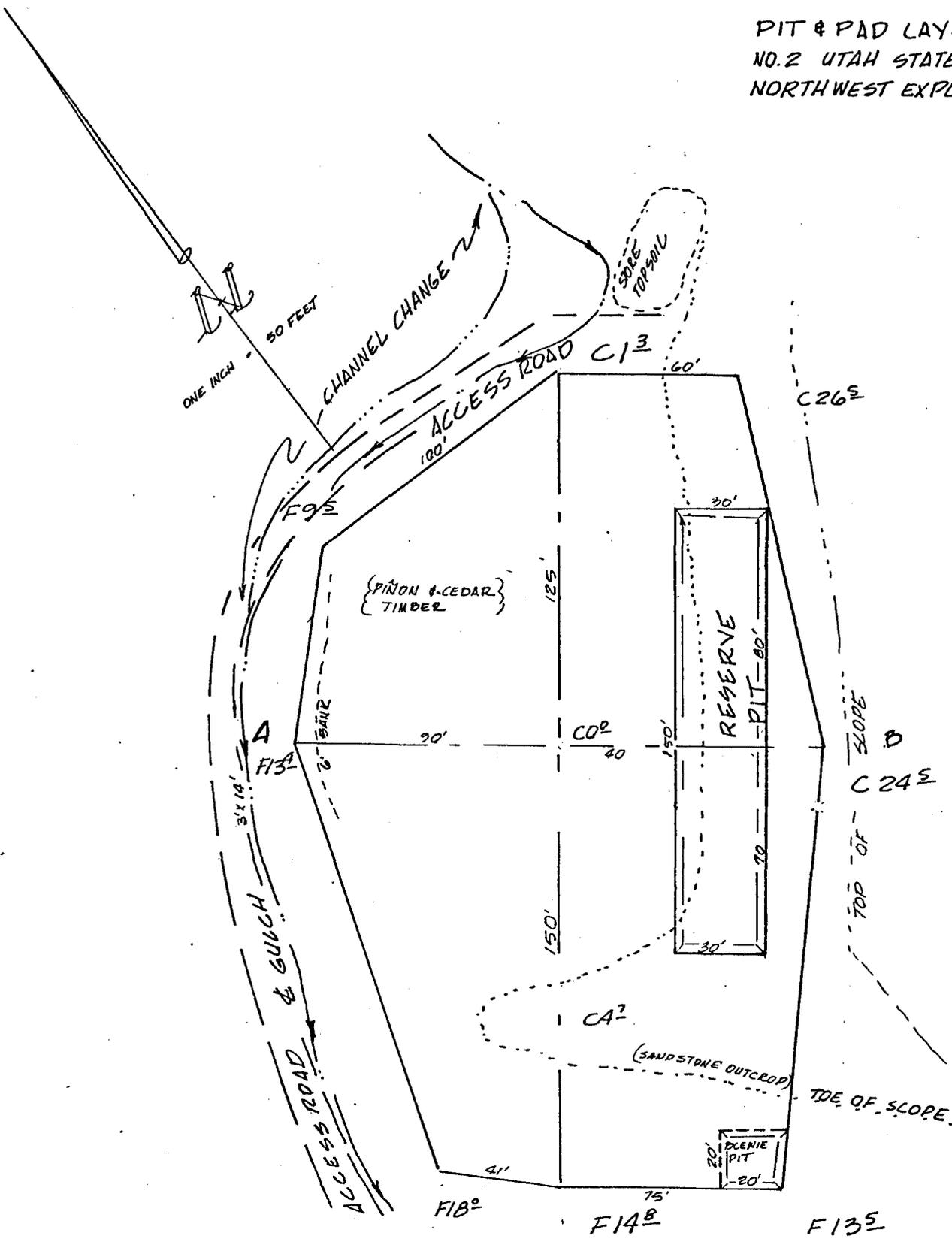
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Range 25 E. of the Salt Lake Base and Meridian
Grand County, Utah

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of
 #2 UTAH STATE

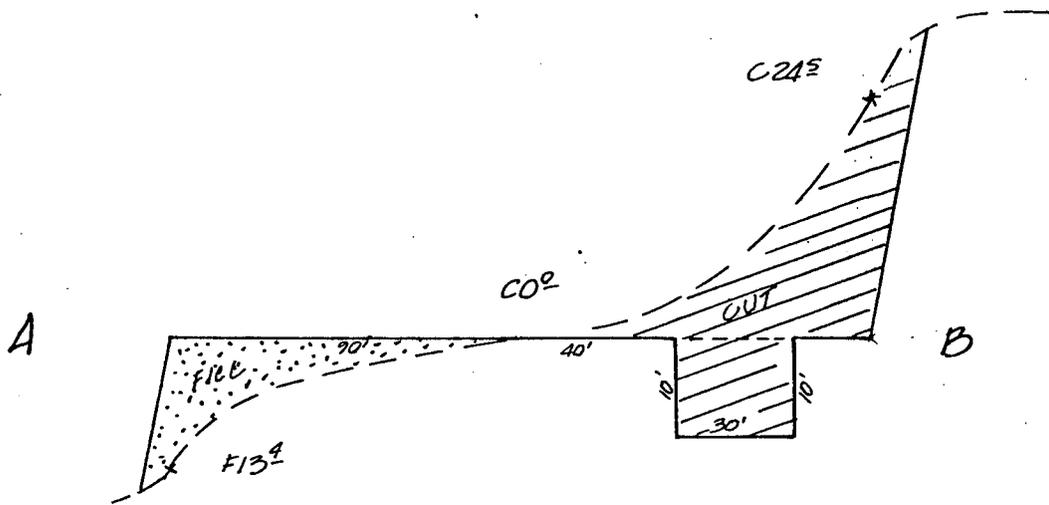
Date: 9-11-80

Jerry O. Becker
 Licensed Land Surveyor No. 4189
 State of Utah

PIT & PAD LAYOUT
 NO. 2 UTAH STATE
 NORTH WEST EXPLORATION CO.



CROSS-SECTION
 NO. 2 UTAH STATE
 NORTHWEST EXPLORATION CO.



HORIZ SCALE 1" = 50'
 VERT. SCALE 1" = 20'

APPROXIMATE YARDAGE

CUT 9100 CU. YDS.
 FILL 6000 CU. YDS.

** FILE NOTATIONS **

DATE: September 25, 1980
 OPERATOR: Northwest Exploration
 WELL NO: Utah State #2
 Location: Sec. 32 T. 16S R. 25E County: Grand

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

API Number 43-019-30759

CHECKED BY:

Petroleum Engineer: M. J. Winder 12-15-80
Called 10/17/80 R. Baughman - May move location

Director: _____

Administrative Aide: C-3: too close to qtr - qtr
& in gas well spacing does not conform to order

APPROVAL LETTER:

Bond Required: Survey Plat Required:
 Order No. 149-5 7/22/80 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 State Plotted on Map

Hot Line Approval Letter Written
 P.I.

NORTHWEST EXPLORATION COMPANY

1125 Seventeenth Street, Suite 2100
Denver, Colorado 80202
(303) 620-3500

Mailing Address

P. O. Box 5800, Terminal Annex
Denver, Colorado 80217

November 26, 1980

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

Attention: Mr. Mike Minder

Re: Northwest Application to Drill
Utah State #1 and Utah State #2
Sec. 32-T16S-R25E, Grand Co., Utah

Dear Mr. Minder:

Northwest Exploration requests permission to drill the referenced wells outside the drilling and spacing units designated in the Order, Cause No. 149-5. It was necessary to stake these wells outside the designated units because of the adverse topography of San Arroyo Canyon, Grand County, Utah (see attached topo).

The wells were staked as follows:

Utah State #1: 1441' FWS, 641' FSL, Sec. 32-T16S-R25E
Utah State #2: 1294' FWS, 1827' FNL, Sec. 32-T16S-R25E

Tenneco holds leases in Section 6-T17S-R25E to the south of these locations. The attached letter has been sent requesting their approval for this deviation from the Order.

Please contact me at (303) 620-3545, as soon as clearance can be granted for these two locations. Thank you for your help.

Sincerely,

NORTHWEST EXPLORATION COMPANY



S. Arthur Stewart
Division Drilling Engineer

SAS:ptr

Attachments

RECEIVED

NOV 28 1980

2. Said Order provided for drilling units of between 280 and 320 surface acres, according to the government survey for said lands, and included in said lands the Dakota, Morrison, Cedar Mountain, Entrada, Buckhorn formations and the Castlegate member of the Mesa Verde group.

3. The applicant has applied for an Order extending drilling and spacing units as established under the Board's Order in said Cause No. 149-1 for said formations underlying Section 32, Township 16 South, Range 25 East, S.L.M., Grand County, Utah.

4. Sufficient evidence now being available on which to reach a decision, the Board issues the following:

ORDER

IT IS HEREBY ORDERED BY THIS BOARD AS FOLLOWS:

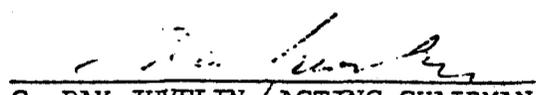
To prevent waste of oil, gas and associated hydrocarbons, to avoid the drilling of unnecessary wells, to protect correlative rights and to establish drilling units/zones of uniform size and shape, the Board hereby extends its Orders heretofore entered in Cause No. 149-1 and Orders and Decrees as follows:

With respect to Section 32, Township 16 South, Range 25 East, S.L.M., the N1/2 of said section the S1/2 of said Section 32 is hereby designated a drilling and spacing unit for the Mesaverde, Dakota, Cedar Mountain, Entrada and Morrison formations underlying the same.

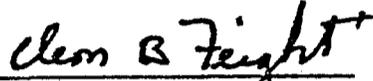
A well shall be permitted on each of said units/zones (as to which there is not presently a well drilled) to be located not nearer than 1,000 feet from the spacing unit boundary with a 500 foot tolerance, to be granted administratively, for geological and/or topographical exceptions; and no closer than 2,500 feet from a producing well in the adjacent area, and that a 500 foot tolerance is hereby permitted in the footage between wells in the event surface obstructions or undue hazards are encountered.

DATED this 22nd day of July, 1980.

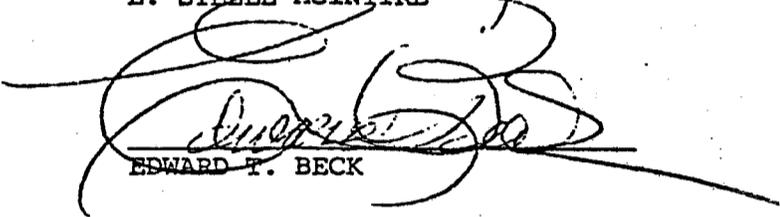
STATE OF UTAH
BOARD OF OIL, GAS AND MINING


C. RAY JUVELIN, ACTING CHAIRMAN

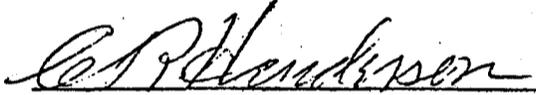
APPROVED:


CLEON B. FEIGHT
HEARING EXAMINER


E. STEELE MCINTYRE


EDWARD T. BECK

Charles R. Henderson, Chairman of the Board, reviewed the transcripts and exhibits of the proceeding and being fully advised in the premises, is in accord with the action herein taken.


CHARLES R. HENDERSON, CHAIRMAN

NORTHWEST EXPLORATION COMPANY

1125 Seventeenth Street, Suite 2100
Denver, Colorado 80202
(303) 620-3500

Mailing Address

P. O. Box 5800, Terminal Annex
Denver, Colorado 80217

November 26, 1980

Mr. Joe F. Gavlick
Division Landman
Tenneco Oil Company
Post Office Box 3249
Englewood, Colorado 80155

Re: Tenneco Oil Co. leases in Sec.
6-T17S-R25E, Grand County, Utah

Northwest Exploration's Utah State
#1, 642' FSL, 1441' FWL, Sec. 32-
T16S-R25E and Utah State #2, 1827'
FNL, 1294' FWL, Grand County, Utah

Dear Mr. Gavlick:

Northwest Exploration Company is requesting approval from Tenneco Oil Company to drill the above referenced wells.

Our reason for seeking Tenneco approval is due to topographic constraints, these wells are to be drilled outside drilling and spacing units designated by Utah Division of Oil, Gas and Mining Order, Cause No. 149-5 (attached). The State requested Northwest to obtain Tenneco approval prior to their granting permission to deviate from this Order as Tenneco holds leases in the section south of our leased section as referenced above.

We would appreciate your attention to this matter as soon as possible as winter weather will soon preclude operations in San Arroyo Canyon. Please contact me at (303) 620-3545, if you need any further information.

Sincerely,

NORTHWEST EXPLORATION COMPANY



S. Arthur Stewart
Division Drilling Engineer

SAS:ptr

Attachment

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM

OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C
Northwest Exploration Company
#2 Utah State
Sec.32 T16S R25E
1827' FNL & 1294' FWL
Grand County, Utah

1. The Geologic Surface Formation

The surface formation is the Mesa Verde.

2. Estimated Tops of Important Geologic Markers

Mancos A	1685'
Mancos B	2410'
Frontier	3990'
Sakota Silt	4950'
Dakota	5035'
Jurassic Morrison	5215'
Total Depth	5725'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

	0-750'	Water
Jurassic Morrison	5725'	Gas

4. The Proposed Casing Program

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>SECTION LENGTH</u>	<u>SIZE (OD)</u>	<u>WEIGHT, GRADE & JOINT</u>	<u>NEW OR USED</u>
8 3/4"	0-1000'	1000'	7"	20# K-55 ST&C	New
6 1/4"	0-5725'	5725'	4 1/2"	10.5# K-55 ST&C	New

Cement Program

Surface - 280 sacks class H (100% excess)

Production - 150 sacks 50-50 pozmix (1400' fill + 30% excess)

5. The Operator's Minimum Specifications for Pressure Control

EXHIBIT "C" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to half of working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24-hour period, as will blind rams and annular preventer each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

Accessories to BOP will include an upper kelly cock, floor safety valve, drilling string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. The Type and Characteristics of the Proposed Circulating Muds

This well will be drilled with air or air mist from surface to total depth. Exhaust will be muffled. Other materials will be on site to handle any anticipated downhole problems as well as possible spills of fluid on the surface.

7. The Auxiliary Equipment to be Used

- (a) An upper kelly cock will be kept in the string.
- (b) A float will be used at the bit.
- (c) A mud logging unit and gas detecting device will be monitoring the system from 1000' to total depth.
- (d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

8. The Testing, Logging and Coring Programs to be Followed

- (a) No Drill Stem tests are anticipated.
- (b) The logging program will consist of an Induction Log from surface pipe to TD, run an FDC-CNL through the Dakota Silt.
- (c) No coring is anticipated.
- (d) Completion program will be to foam frac.

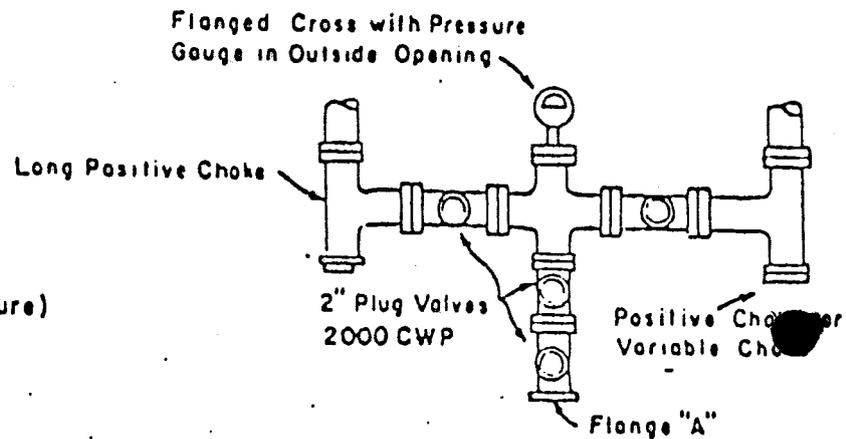
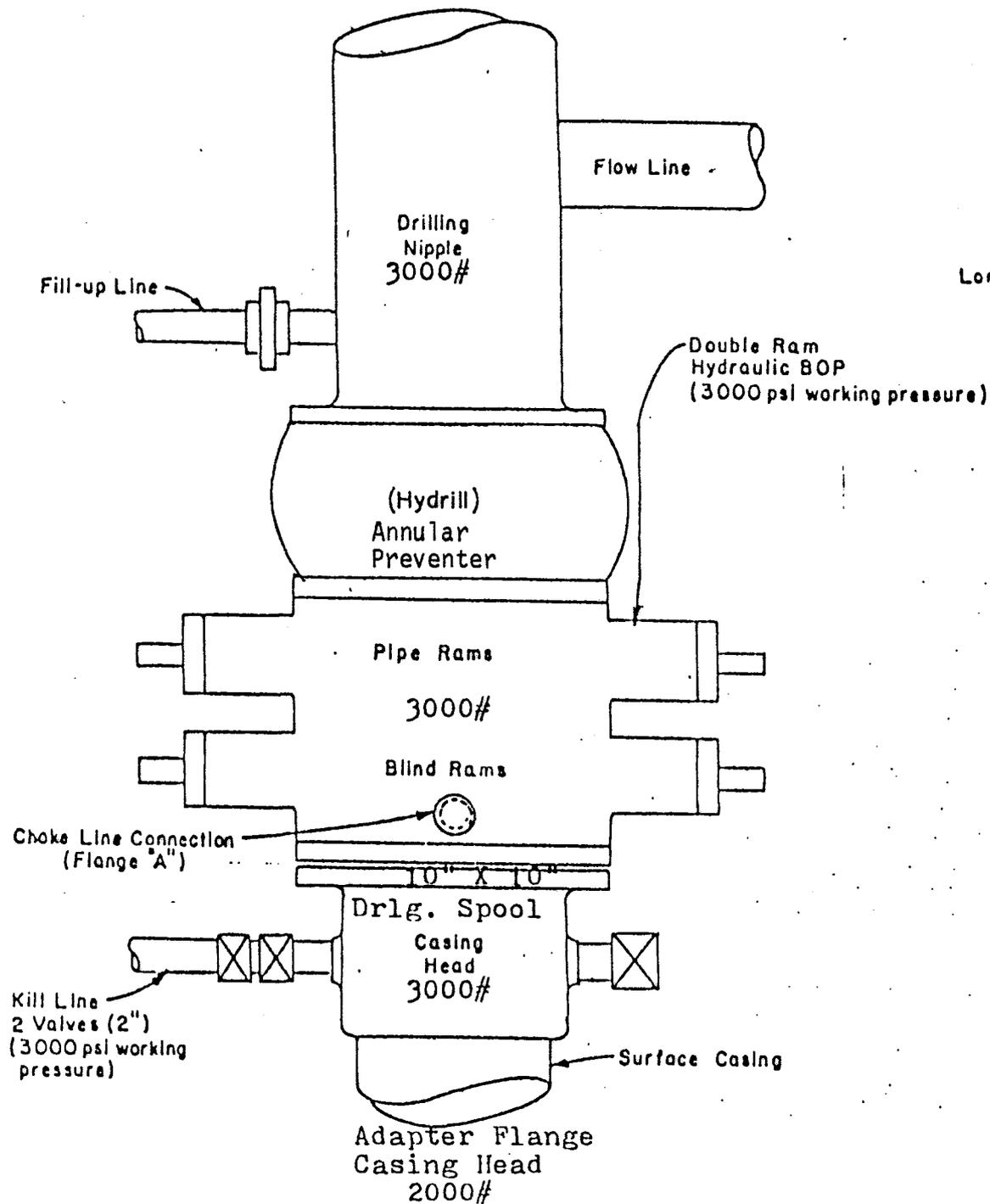
9. Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well.

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date and Duration of the Operations

The anticipated starting date is set for October 1, 1980, or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 30 days after spudding the well and drilling to casing point.



PLAN VIEW-CHOKE MANIFOLD

EXHIBIT "C"
BLOWOUT PREVENTER
DIAGRAM

NORTHWEST EXPLORATION COMPANY

1125 Seventeenth Street, Suite 2100
Denver, Colorado 80202
(303) 620-3500

Mailing Address

P. O. Box 5800, Terminal Annex
Denver, Colorado 80217

December 9, 1980

Mr. Mike Minder
Utah Division of Oil & Gas Mining
1588 W. North Temple
Salt Lake City, Utah 84116

Re: Northwest Exploration's Utah State
#1, 642' FSL, 1441' FWL, Sec. 32-
T16S-R25E and Utah State #2, 1827'
FNL, 1294' FWL, Grand County, Utah

Dear Mr. Minder:

Enclosed is Tenneco's approval for our Utah State #1 and #2 wells
in Grand County, Utah.

Please contact me at (303) 620-3545, if you have further questions.

Sincerely,

NORTHWEST EXPLORATION COMPANY



S. Arthur Stewart
Division Drilling Engineer

SAS:ptr

Enclosures

RECEIVED

DEC 11 1980

DIVISION OF
OIL, GAS & MINING

Tenneco Oil
Exploration and Production
A Tenneco Company



Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6061 South Willow Drive
Englewood, Colorado

December 4, 1980

Northwest Exploration Company
1125 Seventeenth Street, Suite 2100
Denver, Colorado 80202

Attn: S. Aurthur Stewart

RE: Tenneco Oil Company Leases
in Section 6: 17 South - 24 East
Grand County, Utah

Dear Mr. Stewart:

Enclosed please find your letter dated November 26, 1980, referencing the captioned. Tenneco has no objection to the location of your proposed wells in Section 32: T16S-R24E. Tenneco has indicated this by signing at the bottom of your original letter.

If you need anything further in this regard please let me know.

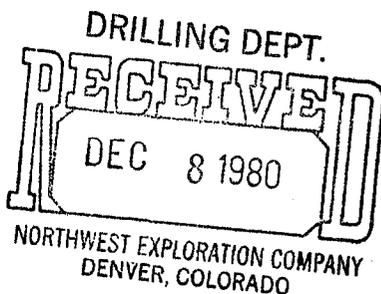
Very truly yours,

TENNECO OIL COMPANY

Brad Colby
Brad Colby
Petroleum Landman

BC:pjs

Enclosure



DEC 11 1980

DIVISION OF
OIL, GAS & MINING

RECEIVED

DEC 11 1980

DIVISION OF
OIL, GAS & MINING

NORTHWEST EXPLORATION COMPANY
1125 Seventeenth Street, Suite 2100
Denver, Colorado 80202
(303) 620-3500

November 26, 1980

Mr. Joe F. Gavlick
Division Landman
Tenneco Oil Company
Post Office Box 3249
Englewood, Colorado 80155

RECEIVED
DEC 1 1980

TELEPHONE OIL CO.
LAND DEPARTMENT
Mailing Address

DRILLING DEPT. Terminal Annex
Denver, Colorado 80217

RECEIVED
DEC 8 1980
NORTHWEST EXPLORATION COMPANY
DENVER, COLORADO

RECEIVED

DEC 11 1980

DIVISION OF
OIL, GAS & MINING

Re: Tenneco Oil Co. leases in Sec.
6-T17S-R25E, Grand County, Utah

Northwest Exploration's Utah State
#1, 642' FSL, 1441' FWL, Sec. 32-
T16S-R25E and Utah State #2, 1827'
FNL, 1294' FWL, Grand County, Utah

Dear Mr. Gavlick:

Northwest Exploration Company is requesting approval from Tenneco Oil Company to drill the above referenced wells.

Our reason for seeking Tenneco approval is due to topographic constraints, these wells are to be drilled outside drilling and spacing units designated by Utah Division of Oil, Gas and Mining Order, Cause No. 149-5 (attached). The State requested Northwest to obtain Tenneco approval prior to their granting permission to deviate from this Order as Tenneco holds leases in the section south of our leased section as referenced above.

We would appreciate your attention to this matter as soon as possible as winter weather will soon preclude operations in San Arroyo Canyon. Please contact me at (303) 620-3545, if you need any further information.

Sincerely,

NORTHWEST EXPLORATION COMPANY

S. Arthur Stewart

S. Arthur Stewart
Division Drilling Engineer

Tenneco Oil Company has no objection to the drilling of Northwest Exploration Company's Utah State #1 and Utah State #2 wells at the locations described above.

J. M. Lacey
J. M. Lacey Division Production Manager

December 18, 1980

Northwest Exploration Company
1457 OnePark Central, 1515 Arapahoe
Denver, Colorado 80202

Re: Well No. Utah State #2
Sec. 32, T. 16S, R. 25E
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 149-5, dated July 22, 1980.

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

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

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 43-019-30759.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



Michael T. Minder
Petroleum Engineer

/ka
cc: Donald Prince

SCHLUMBERGER WELL SERVICES
A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION
HOUSTON, TEXAS 77001

PLEASE REPLY TO
SCHLUMBERGER WELL SERVICES

11/4/81

NORTHWEST EXPLORATION CO.
P.O. BOX 5800 TERMINAL ANNEX
DENVER CO 80217
Attention: HERB DUEY

Gentlemen:

Enclosed are 2 prints of the FDC-~~21~~-GR DIL-GR on:
Company NORTHWEST EXPLORATION CO.
Well UTAH STATE #2
Field SAN ARROYA County GRAND State UTAH

Additional prints are being sent to:

1 prints
NORTHWEST EXPLORATION CO.
P.O. BOX 5800 TERMINAL ANNEX
DENVER CO 80217
ATTN: T. CAMMON

_____ prints

1 prints
STATE OF UTAH
DIV OF OIL GAS & MINING
1588 WEST NORTH TEMPLE
SALT LAKE CITY UTAH 84116

_____ prints

3 prints & 1 SEPIA
AMEREX INC.
P.O. BOX 1678
OKLAHOMA CITY OK 73101
ATTN: HAROLD J. REEDY

_____ prints

_____ prints

_____ prints

The film is BEING SENT TO

NORTHWEST EXPLORATION
DENVER

We appreciate the privilege of serving you.

Very truly yours,
SCHLUMBERGER WELL SERVICES
GRAND JUNCTION-CHARLEY THOMPSON

DISTRICT MANAGER

741



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

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

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

February 3, 1982

Northwest Exploration Co.
1457 One Park Central, 1515 Arapahoe
Denver, Colorado 80202

Re: Well No. Utah State #2
Sec. 32, T. 16S, R. 25E
Grand County, Utah

Gentlemen:

In reference to the above mentioned well, considerable time has gone by since approval was obtained from this office.

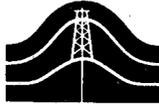
This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist



NORTHWEST EXPLORATION COMPANY

Denver National Bank Building
1125 Seventeenth Street, Suite 2100
Denver, Colorado 80202

TRANSMITTAL

TO: State of Utah Nat. Res.
4241 State Office Bldg.
Salt Lake City, Utah 84004

ATTN: Ms. Cari Furse

We transmit by U.S. Mail the following data:

The following data for our Utah State #2 well, as per your letter of Feb. 3, 1982:

DIL/GR and FDC/GR logs
mud/sample log
survey plat

Sorry for the delay. Evidently, the data was sent to your previous address (1588 W. No. Temple), and not forwarded.

- Data are not to be returned
 Data are to be returned to this office

Please acknowledge receipt of this material by signing and returning one copy of this transmittal.

Shipped by Erik Wern Date February 17, 1982
Received by [Signature] Date [Signature]



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

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

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

May 5, 1982

Northwest Exploration Company
Denver National Bank Building
1125 Seventeenth Street, Suite 2100
Denver, Colorado 80202

*IS sending
in spud, monthly's
& well completion
5-7-82*

Re: Well No. Utah State #2
Sec. 32, T. 16S, R. 25E.
Grand County, Utah

Gentlemen:

In reference to the above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well, and action will be taken to terminate the application. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML - 34629
2. NAME OF OPERATOR Northwest Exploration Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 5800 T. A., Denver, Colorado 80217		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 1827' FNL & 1294' FWL		8. FARM OR LEASE NAME Utah State
14. PERMIT NO. 43-019-30759		9. WELL NO. #2
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6052' GR		10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 32 T16S R25E		12. COUNTY OR PARISH Grand
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) <u>Drilling Operations</u>		(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.)*

Please see attached log of drilling operations. Spud Date: 10-6-81.

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

SIGNED Sally L. DuVall TITLE Specialist, Regulatory Compliance DATE May 7, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

- 8/8-10/81 Recap: Lack conductor & anchors. DC: \$0. CC: \$21,940.
- 8/11/81 Lack conductor. CC: [REDACTED].
- 8/12/81 Lack conductor. CC: [REDACTED].
- 8/13/81 Lack conductor. CC: [REDACTED].
- 8/14/81 Lack conductor. CC: [REDACTED].
- 8/15-17 Lack conductor & anchors. DC: [REDACTED] CC: [REDACTED].
- 8/18/81 WOR. DC: [REDACTED] CC: [REDACTED].
- 8/19/81 WOR. DC: [REDACTED] CC: [REDACTED].
- 8/20/81 WOR. DC: [REDACTED] CC: [REDACTED].
- 8/21/81 WOR. DC: [REDACTED] CC: [REDACTED].
- 8/22/81 WOR. DC: [REDACTED] CC: [REDACTED] Will drop from this report until report changes.
thru
8/23/81
- 10/06/81 MIR. Should spud today. CC: [REDACTED].
- 10/07/81 DEPTH 250'. Air Drilling. (9-7/8" surface) Spud @ 1600 hrs on 10/06/81.
Svy: 1/2° @ 107', 1/2° @ 214'. Blu-H Rig #3.
DC: [REDACTED] CC: [REDACTED].
- 10/08/81 DEPTH: 705' P.O. Drlg. Svy: 1 degree @ 294', 1/2 degrees @ 387', 1 degree @ 479', 1-1/2 degree @ 571', 1-1/2 degrees @ 668'. DC: [REDACTED] CC: [REDACTED].
- 10/09/81 DEPTH: 1075' P.O. Drilling. 370' D.S.S. 3. No mud data reported. Drill and survey to 1075'. Survey: 1-1/4 degrees @ 756', 2 degrees @ 848', 2 degrees @ 941', 1-1/4 degrees @ 1033'. DC: [REDACTED] CC: [REDACTED].
- 10/10/81 DEPTH 1435'. Drilling. (360') No mud data reported.
Recap: TFB #2 (9-7/8", RD, Y11, SN 168933.) SR. TIH. No fill.
Drill & svy to 1435'. Svy: 2° @ 1127', 2° @ 1220', 2½° @ 1312', 3° @ 1376'. DC: [REDACTED] CC: [REDACTED].
- 10/11/81 DEPTH 1511'. Presently NU BOP's. No mud data reported.
Recap: Drill & svy to 1511'. C&C hole 1/2 hr. TOOH to run csg. Ran 38 jts 7", 20#, K-55 ST&C csg & landed @ 1511'. Float equip: guide shoe, super seal, float collar, 3 centralizers (ctr of shoe jt & every other collar). Cemented w/610 sx C1"H" w/3% CaCl₂, 3% gel, circ. Cmt to surface + 20 bbls. Displaced w/59 bbls H₂O, bumped plug w/500# over pump psig. Float held. WOC 6 hrs. Weld on csg head. NU BOP's. Svy: 3° @ 1511'.
DC: [REDACTED] CC: [REDACTED].

SW/NW Sec. 32-T.16S-R.25E
GRAND COUNTY, UTAH(WILDCAT)
GL - 6052'

- 0/12/81 DEPTH 2147'. Drilling w/air. Drlg rate: .8 to 1.3 min/ft. BGG = 1 U. No CG. Set surf csg @ 1511'. Lithology: Shale, grey to dark grey, firm, became calcareous @ 1800'. Siltstone, dark grey, slightly calcareous. (Started drilling below surface @ 1:11 pm Oct 11)
Recap: Prs tested blind rams to 600# for 30 min - OK. RIH w/DCs & 1 std. prs tested pipe rams to 600# for 30 min - OK. TIH, tag cmt @ 1465', unload hole. Drill wiper plug: FC, cmt shoe w/mist. Drill 2' of formation until hole was dry. Dust drill & svy to 2135'. Svy: 4° @ 1714', 4° @ 1900', 3° @ 2116'. [REDACTED]
- 0/13/81 DEPTH 2950'. Drlg w/dust. Drlg rate: 1-2 min/ft. BGG = 1 U. CG = 4-8 U. No flares. Shale, grey to dark grey, firm, calc to slightly calc. Siltstone, grey, calc. Deviation: 4½° @ 2615', 4-3/4° @ 2829'. Mud: Air prs 150 psig, rate 1400 CFM.
[REDACTED]
- 0/14/81 DEPTH 3465'. Presently drilling. Drlg rate: 1 to 2 in/ft. BGG = 1 U. No CGG. No DB. Lithology: Sandstone, white to tan, very fine grained, firm, calcareous, clay filled w/Shale, grey to dark grey, firm, calc to very calc, silty. (Drlg w/light wt & high RPM)
Svy: 6° @ 3075', 5-3/4° @ 3263'.
Recap: Drill & svy to 3465'. Progress 515'. Day 8. Mud: Air pressure - 150 psig, rate - 1400 CFM.
[REDACTED]
- 0/15/81 DEPTH 3729'. Presently repairing power swivel. BGG = 1 U. CG = 0. TG = 10 U. Lithology: Shale, grey to dark grey, fine, silty. Progress 264'. Day 9. Mud: Air prs = 150 psig, rate = 1400 CFM. Recap: Drill & svy to 3481'. TFB #4. Drill & survey to 3729'. Power swivel failure. Repair power swivel.
Svy: 6½° @ 3481', 6½° @ 3667'. [REDACTED]
- 0/16/81 DEPTH 4080'. Drilling. Drlg rate 2.4 min/ft. BGG = 1-2 U. No CG. Lithology: Shale, grey to dark green, firm, calcareous to very calcareous. Sandstone, white to tan, clear to firm, medium to fine grained, clay filled, very poor porosity.
MUD: Air pressure - 150 psig, rate - 1400 CFM.
Recap: Finish repairing power swivel. Drill & survey from 3729' to 4080'. Svy: 6½° @ 3853', 7° @ 4040'. [REDACTED]
- 0/17/81 DEPTH 4455'. Drilling. Drlg 2-4 min/ft. BGG = 1-2 U. No CG. Lithology: Shale, grey to dark grey, firm, silty w/some bentonite. Sandstone (yesterday) 3930-3960'. Svy @ 4256' = 8°. [REDACTED]

#2 UTAH STATE

SW/NW Sec. 32-T.16S-R.25E
GRAND COUNTY, UTAH

(WILDCAT)

T.D. - 5725' Morrison
GL - 6052'

0/18/81 DEPTH 4690'. Drilling. Day 12. (235') MUD: Air pressure - 150
psig, rate - 1400 CFM. Svy: 10° @ 4473', 12° @ 4567'.
Drlg rate 3-8 min/ft. BGG = 1-2 U. No CG. Lithology: Shale, tan
to grey, firm to soft, bentonitic, calc, silty in 4350 to 4380 sample.
Sandstone, tan, unconsolidated, medium to very fine grained. No DB.

0/19/81 DEPTH 4970'. Drilling. Drlg rate: 2-8 min/ft. BGG = 2 U. Day 13
(280') Mud: Air pressure - 170 psig, rate - 1400 CFM.
At 4720' - 10 ft flare, 1 sec - 35 U.
At 4718' - 10 ft flare, 1 min - 142 U (sharp peak), C₁ 100, C₂ 22, C₃ 4.

Drilling Breaks:

- 4711-4718' Drlg from 6 to 3 to 6 min/ft. Siltstone, brown to dark brown, calc, slightly sandy. NS.
- 4725-4732' Drlg from 6 to 3 to 14 min/ft. Siltstone, as above.
- 4740-4760' 14 to 3 to 1 to 6 to 8 min/ft. Sandstone, light brown, fine to very fine grained, sub rounded, firm, calc, clay filled.
- 4783-4791' 10 to 3 to 5 to 8 min/ft. Sandstone, tan to brown, medium to very fine grained. No stain or cut or fluor on dry samples.

Svys: 11° @ 4720', 9° @ 4813', 9° @ 4905'.
Shale, grey to dark grey, firm, silty, some pyrite & Siltstone, dark grey, sandy.

10/20/81 DEPTH 5145'. Drilling. Drlg rate: 3-10 min/ft. Drilling in Dakota
Sand (?) @ 5065'.
Lithology: 5005-5008' Sandstone, tan, brown, unconsolidated, fine to
very fine grained, sub-angular, calc to slightly
calc, clay filled.

5010-5031' Sandstone, aa.

5030-5040' Lithology change:
Shale, dark grey-grey, firm, slightly calc, silty in part, becoming tan
to cream, firm, slightly calcareous, waxy, silty in part. Siltstone,
dark grey-brown, firm, sandy, slightly calcareous, becoming light grey,
tan, firm, slightly calcareous, sandy in part. Sandstone, brown, dirty,
fine to very fine grained, sub-angular, slightly calcareous, clay filled,
tight, at 5065' becoming white-clear, fine to medium grained, unconsoli-
dated, sub-angular to sub rounded, slightly calc, fine grained porosity,
trace yellow-green fluorescence and fine cut.

Drilling Break: 5065-5074' Drlg from 5 min to 2 min to 6 min/ft.
Gas Show: 450 U, decrg to 240 U after. C₁ 700 U, C₂ 5 U.
50' flare, 20' continuous flare after. BGG = 150-200 U, continuous
15-20' flare. CG = 250-450 U. TG = 100 U. 10' Flare for 3 min.

10/20/81, cont'd

Svy: 10° @ 4995', 10° @ 5088'. Recap: Drill & survey 4970'-4995'.
TFB #5 & steel line measurement @ 4995'. Straighten D.L. on drum.
TIH w/Bit #5 - no fill. Drill & svy from 4995' to 5150'. Dakota top
@ 5030'. Break @ 5065' - 5074'. 450 U max gas - 50' flare. Constant,
steady flare since 2000 hrs last night.

██████████ ██████████

10/21/81 DEPTH 5345'. Drilling. (195') Day 15 Mud: Air prs = 175 psig.
Rate: 1400 CFM. Drill & survey from 5150' to 5345'. Top of Morrison
@ 5170'. Deviation: 10° @ 5181', 5243' & 5338'. Drlg rate: 3-10 min/ft.
BGG = 150-220 U w/continuous 20' flare. CG = 300-450 U. No DB. Shale
color change @ 5169'. Last Dakota Sand @ 5150'. Lithology: Shale, red
purple & orange green to white, silty, non calcareous; Siltstone, red to
light brown, sandy.

██████████ ██████████

10/22/81 DEPTH 5510'. Drilling. Day 16. (165') Mud: Air prs = 175 psig.
Rate = 1400 CFM. Drill & survey 5345' to 5510'. Svy: 11° @ 5348',
10° @ 5463'. Drlg rate 4-15 min/ft. BGG = 200 U, continuous 20' flare.
CG = 350-512 U. Drilling Break: 5370-5379 Drlg from 8 to 2 to 9 min/ft.
No gas increase, green, hard shale, translucent, slightly calcareous.
Shale, varigated, green red, purple, hard, calc, Siltstone. Siltstone,
lite grey to tan, slightly calcareous, calcareous, tan to clear, uncon-
solidated, dirty, slightly calcareous, tight, clay filled.

██████████

10/23/81 T.D. 5620'. Logging. Day 17. Mud: Air Pressure - 180 psig. Rate: 1400
CFM. Recap: Drill & survey 5510'-5620'. TD well @ 1730 hrs 10/22/81.
Blow well clean. TOOH to log. WO Schlumberger, logger on location @ 0300
hrs 10/23/81. RU & run logs. Driller's TD = 5560'. Schlumberger TD =
5622'. Svy: 11° @ 5556', 12° @ 5620'.

Lithology: Shale, varicolored red, brown, purple & tan, firm to soft, sl
calc, bent, silty in part. Sandstone, tan to clear, medium to fine grained,
unconsolidated, sub-angular to angular, slightly calc, conglomeratic, tan to
cream, lite grey & brown, sandy, slightly calc, w/chert & rock fragments.

Drlg rate = 3-15 min/ft. BGG = 500-560 U. CG = 650-870 U. Drilling Break:
5540-5550'. Drlg rate: 8 min to 2 min to 7 min/ft. Sandstone, clear, un-
consolidated, medium to fine grained, sub-rounded to rounded, no fluorescence
or cut, fair porosity. Ran DIL; presently running Density log.

██████████ ██████████

#2 UTAH STATE

SW/NW Sec. 32-T.16S-R.25E
GRAND COUNTY, UTAH

(WILDCAT)

T.D. - 5725' Morrison

GL - 6052'

- 10/24/81 T.D. 5620'. Presently ND BOP's. Day 18.
Recap: Log w/Schlumberger. RD loggers. TIH to 5620'. No fill. TOOH & LD DP & BHA. Change rams from 3½" to 4½". RU & run 137 jts 4-1/2", 10.5#, K-55 csg. Cmt w/150 sx Howco "Lite" + 1/4# Flocele/sk, tail with 30 sx Cl"G" + 4% Gel + 3% CaCl₂. Displace w/89 bbls H₂O. Plug down @ 0430 hrs 10/24/81. ND BOP's to set slips. [REDACTED]
- 10/25/81 T.D. 5620'. ND BOP's. Release rig @ 1200 hrs 10/24/81. Day 19.
RD for rig move. [REDACTED]
- 10/26/81 No report.
- 10/27/81 T.D. 5620'. Presently logging.
Recap: WOCU. [REDACTED]
- 10/28/81 T.D. 5620'. WO completion unit.
FINAL REPORT until completion unit on location. [REDACTED]
- 3/24/82 PBTD: 5465'. Presently logging CBL.
Recap: WO tbg 7½ hrs, tally tbg & RIH w/2-3/8" tbg, scraper & bit. PBTD = 5465'. Roll hole w/3% KCl H₂O & P-test shoe to 1500 psig - OK. POOH w/tbg for night. [REDACTED]
- 3/25/82 PBTD: 5465'. Presently prep to set BP.
Recap: RU & run GR/CCL/CBL. Perf 5094'-5108' w/1 JSPF (14-0.36" holes). RD perforators & RU for B/D. B/D w/3% KCl water @ 4000 psi. Pumped 28 7/8" ball sealers to perfs @ avg 1625 psi w/5 BPM - complete ball-out. ISDP = 3800 psi, 15 min = 0. RU to frac & frac @ 3800 psi AIP, AIR = 6 BPM. Screened-out immediately before SD on flush. ISDP = 4100 psi, 15 min = 4000 psi. RD frac crew & flow back thru csg - flowed for 2 hrs, well died. Vent csg overnight. [REDACTED]
- 3/26/82 PBTD: 5465'. Presently POOH w/tubing.
Recap: RU wireline unit & TIH w/gauge ring - sand bridged off @ 4721'. Attempt to spud - no success. TOOH & RD wireline. TIH w/notched collar on tbg. RU power swivel & rev circ sand out to 5185'. Pull tbg above perfs & SIFN. [REDACTED]
- 3/27/82 PBTD: 5465'. Presently flowing back N₂ frac.
Recap: RIH w/RBP on WL. Set @ 5080'. P-test RBP to 1000 psig - OK. Pump 5 sx sand on plug. RD Gearhart. RU Western. Breakdown perfs w/KCl & 25 ball sealers. ISIP = 2900. WO Western N₂ truck. RU to frac. Begin frac. N₂ line ruptured on pad. Frac as prescribed. Max press reached due to communication failure = 4400 psig. Screened out on flush. ISIP = 3900, 15 min SIP = 3700. [REDACTED]

#2 UTAH STATE

SW/NW Sec. 32-T.16S-R.25E

CAND COUNTY, UTAH

(WILDCAT)

T.D. - 5725' Morrison

GL - 6052'

- 3/28/82 PBTD: 5465'. Presently RIH to retrieve RBP.
Recap: Flowed 65 BF back until well dead. TIH to retrieve RBP.
[REDACTED]
- 3/29/82 PBTD: 5465'. Presently swabbing.
Recap: RIH & wash sand stringers to RBP. Retrieve RBP & POOH. MU notch collar, RIH, land @ 5051'. ND BOP's, NU wellhead. RU to swab.
[REDACTED]
- 3/30/82 PBTD: 5465'. Presently swabbing. Recap: FL @ 3000'. Swabbed 13 hrs. Recovered 76 bbls. Total recovered to date = 211. Left to recover 705. Swab stuck in tub @ 1900 hrs. [REDACTED]
- 3/31/82 PBTD: 5465'. PO: Flowing well. Days 10. Recap: RIH and cut swab line. POOH with tbg. Recover swab and 60' of sand. RIH with tbg, land @ 5051'. NU wellhead. Swab well. RU flare line. Flow well. Total fluid recovered to date 299 bbl, left to recover = 406 bbl. Continuous 10' - 15' flare.
[REDACTED]
- 4/01/82 PBTD: 5465'. Presently flowing & swabbing well.
Recap: Well flowing but dies. Csg = 200 psig. 1' swab/hr needed to kill well off. Flare = 15'-20'. Total fluid recovered to date = 328 bbls, left to recover = 377 bbls. [REDACTED]
- 4/02/82 PBTD: 5465'. Presently flowing & swabbing well.
Recap: Well continues to die after swabbing. PU 2 jts of tbg. RIH & tag sand @ 5100', covering bottom perfs. Surged well to unload sand. Unsuccessful - will circulate sand out A.M. tomorrow.
[REDACTED]
- 4/03/82 PBTD: 5465'. Presently swabbing well.
Recap: Mixed KCl H₂O - wait on Howco N₂ truck. Circulated 55' of sand from 5090'-5145'. SD to mix KCl H₂O. POOH 2 stds. Flowing well w/5-10' flare. [REDACTED]
- 4/04/82 PBTD: 5465'. Presently circ sand out of well bore.
Recap: RIH. Tagged sand @ 5030'. Circ 15 jts of tbg to bottom w/KCl H₂O & N₂. Pull up & land tbg @ 5090'. Swab well. Total fluid lost to date = 816 bbls. Left to recover = 402 bbls.
[REDACTED]
- 4/05/82 PBTD: 5465'. Presently swabbing well.
Recap: Swabbed 48 bbls in 24 hrs. Total fluid recovered to date = 462 bbls, left to recover = 354 bbls. 200 psig on csg.
DC: [REDACTED]

#2 UTAH STATE

SW/NW Sec. 32-T.16S-R.25E
GRAND COUNTY, UTAH

(WILDCAT)

T.D. - 5725' Morrison
GL - 6052'

- 4/06/82 PBTD: 5465'. Presently swabbing well.
Recap: Swabbed 27½ bbls in 18 hrs. Total fluid recovered to date =
489-1/2 bbls. Left to recover = 326-1/2 bbls. 175 psig on csg.
5-10' continuous flare. Swabbing from SN.
[REDACTED] CC: [REDACTED]
- 4/07/82 PBTD: 5465'. Presently testing well. Recap: Swabbed/flowed well 8 bbls
in 6 hrs. RU test unit. Flowed well w/190# CP, 38# on 3/4" choke. Test-
ing @ 617 MCF/D. Recovered 10 bbls H₂O. Total fluid recovered = 507-1/2
bbls. Left to recover 308-1/2 bbls.
DC: [REDACTED] CC: [REDACTED]
- 4/08/82 PBTD: 5465'. Presently testing well.
DC: [REDACTED] CC: [REDACTED]
- 4/09/82 PBTD: 5465'. Presently well testing. Recap: Flowing @ 522 MCFD.
CP = 200 psi. Recovered 20 BW. DC: [REDACTED] CC: [REDACTED]
- 4/10/82 PBTD: 5465'. Presently well testing. Recap: Flowing @ 497 MCFD.
CP = 180 psi. Recovered 8 BW. DC: [REDACTED] CC: [REDACTED]
- 4/11/82 PBTD: 5465'. Presently testing well. Recap: Flowing @ 546 MCFD.
CP = 150 psi. Recovered 3 BW. DC: [REDACTED] CC: [REDACTED]
- 4/12/82 PBTD: 5465'. Presently flow testing. Recap: cleaning up well.
Flowing @ 522 MCFD. CP = 150 psi. Recovered 4 BW.
DC: [REDACTED] CC: [REDACTED]
- 4/13/82 PBTD: 5465'. Released to production 4/12/82.
CC: [REDACTED]

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

WELL COMPLETION OR RECOMPLETION REPORT

RECEIVED MAY 12 1982 DIVISION OF OIL, GAS & MINING

1a. TYPE OF WELL: OIL WELL [] GAS WELL [X] DRY []
b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. RESV. [] Other []
2. NAME OF OPERATOR: Northwest Exploration Company
3. ADDRESS OF OPERATOR: P.O. Box 5800, T.A., Denver, Colorado 80202
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements): At surface 1827' FNL & 1294' FWL
At top prod. interval reported below Same
At total depth Same

5. LEASE DESIGNATION AND SERIAL NO. ML - 34629
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Utah State
9. WELL NO. #2
10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 32 T16S R25E

14. PERMIT NO. 43-019-30759 DATE ISSUED 12-18-80
15. DATE SPUNDED 10-6-81 16. DATE T.D. REACHED 10-23-81 17. DATE COMPL. (Ready to prod.) 4-13-82
18. ELEVATIONS (DF, REB, ET, GR, ETC.)* 6052' GR
19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD 5620' 21. PLUG, BACK T.D., MD & TVD 5465' 22. IF MULTIPLE COMPL., HOW MANY* N/A
23. INTERVALS DRILLED BY 10' - 5620'
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5044' - 5108' Dakota Fm.
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, Densilog, GR, CBL, CBL
27. WAS WELL CORRD No

28. CASING RECORD (Report all strings set in well)
Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED
7" 20# K55 ST&C 1511' 9-7/8" 610 sx C1"H" w/ 3% CaCl2 + gel
4-1/2" 10.50#K55 5617' 6-1/4" 150 sx Howco Lite & Additives & 30 sx C1"G" & Additives

29. LINER RECORD
Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD)
N/A
30. TUBING RECORD
Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD)
2-3/8" 5465'

31. PERFORATION RECORD (Interval, size and number)
5094' - 5108' 1 jspf (14 - 0.36" holes)
5064' - 5072' 1 jspf (8 - 0.36" holes)
5044' - 5050' 1 jspf (6 - 0.36" holes)
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED
5094' - 5108' Pumped 27,500 gal of 75 quality foam w/ additives, 35,000# 20/40
5064' - 5072' Pumped 27,500 gal of 75 quality foam w/ additives, 35,000# 20/40
5044' - 5050' Pumped 27,500 gal of 75 quality foam w/ additives, 35,000# 20/40

33.* PRODUCTION
DATE FIRST PRODUCTION 4-30-82 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 4-30-82 HOURS TESTED CHOKE SIZE PROD'N FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO
Flow. Tubing Press. 950# Casing Pressure 950# Calculated 24-hour rate OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold 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 [Signature] TITLE Vice President Operations DATE 5-5-82

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

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

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 checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. ML-34629
2. NAME OF OPERATOR ULTRAMAR OIL AND GAS LIMITED (New)		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 363 North Belt, Suite 1500, Houston, Texas 77060		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 1827' FNL & 1294' FWL		8. FARM OR LEASE NAME Utah State
14. PERMIT NO. 43-019-30759	15. ELEVATIONS (Show whether OF, RT, GR, etc.) 6052' GR	9. WELL NO. 2
		10. FIELD AND POOL, OR WILDCAT San Arroya MRSN
		11. SEC., T., R., M., OR BLK. AND SUBST OR AREA Sec. 32, T16S, R25E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	FULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input checked="" type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)			

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

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

Effective October 1, 1984, Ultramar Oil and Gas Limited will be the operator on the Utah State #2. It was formerly operated by Northwest Exploration Company, Denver, Colorado. Ultramar has met all necessary requirements to do business in Utah, including the bonding requirements.

(713) 820-1900

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

SIGNED Tally A. Bennett TITLE Engineering Technician DATE 9-25-84

(This space for Federal or State office use)

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

Ultramar

Ultramar Oil and Gas Limited
363 North Belt, Suite 1500
Houston, Texas 77060
713 820 1900

Telex: 790865 (WUI)

September 26, 1984

State of Utah
Division Of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Claudia Jones

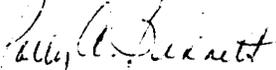
Re: Utah State #1 & #2
San Arroya Field
Grand County, Utah

Dear Ms. Jones:

Effective October 1, 1984, Ultramar will take over Northwest Exploration Company's operations in the above referenced Utah State wells. Northwest Exploration assigned their interest in these wells to Ultramar through a purchase agreement dated July 18, 1984. Ultramar has since met all necessary requirements to do business in Utah, including procurement of bonds. Please find attached Form OGC-1b for your approval and records to change operators.

All correspondence and inquires should be directed to the attention of the undersigned.

Yours very truly,


Polly A. Bennett
Engineering Technician

PAB/bcs
Attachment



A Member of the Ultramar Group of Companies

LONE MOUNTAIN PRODUCTION COMPANY

P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077
FAX 248-6321

RECEIVED
APR 27 1990

DIVISION OF
OIL, GAS & MINING

April 23, 1990

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

Re: Utah State No. 1 and No. 2 Wells
Section 32: T16S - R25E
Grand County, Utah

Gentlemen:

Enclosed in duplicate is the Sundry Notice - Change of Operator for the captioned wells in Grand County, Utah.

Please let us know if further information is required. Thank you.

Very truly yours,

James G. Routson (lw)

James G. Routson
Consulting Petroleum Engineer

JGR/lw

Enclosures

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

DECISION
M 34629
APR 27 1990

5. LEASE DESIGNATION & SERIAL NO. M 34629	
6. IF INDIAN ALLOTTEE OR TRIBE NAME	
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 checked="" type="checkbox"/> OTHER	7. UNIT AGREEMENT NAME DIVISION OF OIL, GAS & MINING
2. NAME OF OPERATOR Lone Mountain Production Company	8. FORM OR LEASE NAME Utah State
3. ADDRESS OF OPERATOR P.O. Box 3394, 408 Petroleum Bldg., Billings, MT 59103	9. WELL NO. 2
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1827' FNL & 1294' FWL At proposed prod. zone	10. FIELD AND POOL, OR WILDCAT San Arroya MRSN
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 32: T16S - R25E
14. API NO. 43-019-30759	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6052' GR
	12. COUNTY Grand
	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) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) CHANGE OF OPERATOR <input checked="" type="checkbox"/>		DATE OF COMPLETION _____	
APPROX. DATE WORK WILL START _____			

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.)

* Must be accompanied by a cement verification report.

Effective February 1, 1990, Lone Mountain Production Company will be the OPERATOR on the Utah State #2 well. This well was formerly operated by Ultramar Oil & Gas, Ltd. Lone Mountain Production Company has met all necessary requirements to do business in Utah, including the bonding requirements.

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

SIGNED James G. Routson (tw) TITLE Petroleum Engineer DATE April 25, 1990

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Lone Mountain Production Co.

3. ADDRESS OF OPERATOR
P.O. Box 3394, 408 Petroleum Bldg
Billings, Montana 59103-3394

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1827' FNL & 129' FWL

5. LEASE DESIGNATION AND SERIAL NO.
ML 34629

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Utah State

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT
San Arroya MRSN

11. SEC., T., R. M., OR BLK. AND SURVEY OR AREA
Sec. 32 T16 R25E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. PERMIT NO.
43-019-30759

15. ELEVATIONS (Show whether OF, RT, OR, etc.)
6052' GR

RECEIVED
APR 12 1990
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) <input type="checkbox"/>	

(Other) Change of Operator

(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.)

Effective February 1, 1990, Ultramar Oil and Gas Limited sold their interest in the Utah State #2 to Lone Mountain Production Co. They are now the new operator for the well.

Previous Operator: Ultramar Oil and Gas Limited
16825 Northchase Dr., Ste. 1200
Houston, Tx. 77060

OIL AND GAS	
DRN	RUF
JRB	GLH
DTS	SLS
MICROFILM	
FILE	

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

SIGNED *Kelly C. Fort* TITLE 713/875-8773 Ultramar Oil & Gas Limited
Supv. of Reg. Affairs DATE April 5, 1990

(This space for Federal or State office use)

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

Speed Letter®

To Ed Bonner
State Lands

From Don Staley
Oil, Gas & Mining

Subject Operator Change

- No. 9 & 10 FOLD

MESSAGE

Date 5-8 1990

Ed -

For your information, attached are copies of documents regarding an operator change on a state lease. These companies have complied with our requirements. Our records have been updated. Pending should be reviewed by State Lands ASAP.

FORMER OPERATOR: ULTRAMAR OIL & GAS LIMITED

NEW OPERATOR: LONE MOUNTAIN PRODUCTION CO.

WELLS: UTAH STATE 1 API 43-019-30758 ENTITY 00400 32-165-25E

UTAH STATE 2 API 43-019-30759 ENTITY 00405 32-165-25E

- No. 9 FOLD

- No. 10 FOLD

Signed

Don Staley

REPLY

Date _____ 19 _____

- No. 9 & 10 FOLD

Signed