

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
U-24926

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Burr Desert

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 21, T30S, R12E

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

16. NO. OF ACRES IN LEASE
640

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

19. PROPOSED DEPTH
5685'

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
September 20, 1981

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
Southland Royalty Company

3. ADDRESS OF OPERATOR
P.O. Drawer 570, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
850' FNL & 2420' FWL
At proposed prod. zone
Same as above

NE NW

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15 miles Southeast of Hanksville, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
850'

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4851' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-1/2"	10-3/4"	32.75#	200'	125 sacks (148 cu. ft.)
* 9-7/8"	7-5/8"	26.40#	2860'	380 sacks (550 cu. ft.)
7-7/8"	5-1/2"	15.50#	5685'	680 sacks (864 cu. ft.)

- 1) Drill 13-1/2" surface hole to 200' and set 10-3/4" casing, cement to surface.
- 2) Drill 9-7/8" hole to 2860'. Log BOP checks in Tour Report Book.
- *3) Run logs and set 7-5/8" intermediate casing only if lost circulation has occurred. If 7-5/8" casing is run, the production string will be a 5-1/2" liner.
- 4) Drill 7-7/8" hole to Total Depth, Log BOP checks in Tour Report Book.
- 5) Core and run DST's as necessary for evaluation of the Pennsylvanian section.
- 6) Run logs and 5-1/2" casing if productive.
- 7) Run cased hole logs, perforate and stimulate as needed.

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 R. E. Fielder TITLE District Engineer DATE July 27, 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
DATE: 7/27/81
BY: R. E. Fielder

EXHIBIT "A"

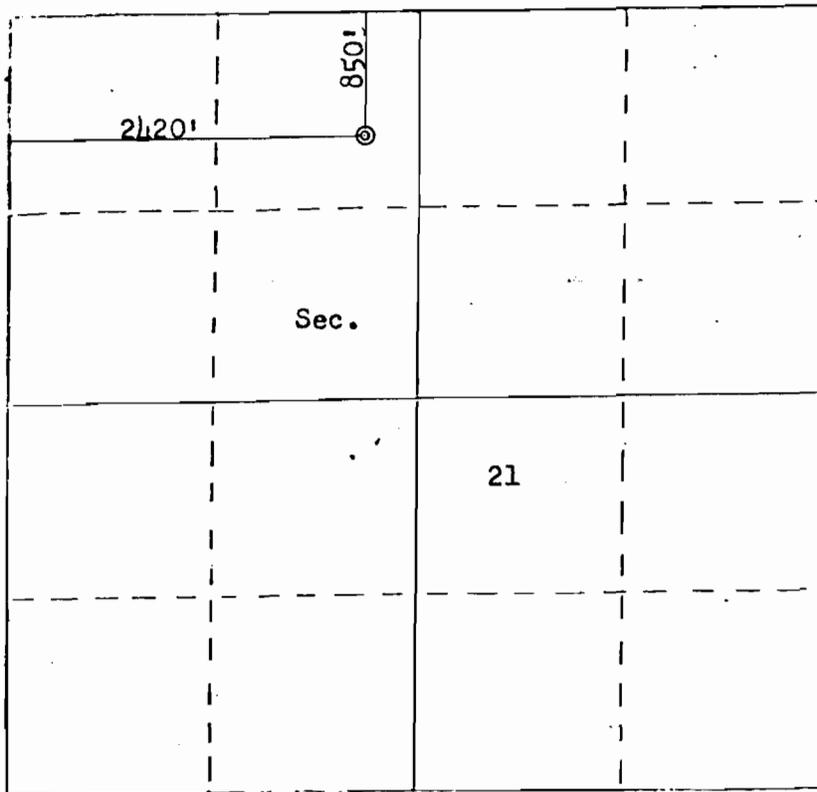
COMPANY SOUTHLAND ROYALTY COMPANY

LEASE BURR DESERT WELL NO. 2

SEC. 21, T 30S, R 12E
WAYNE COUNTY, UTAH

LOCATION 850' ENL 2420' FWL

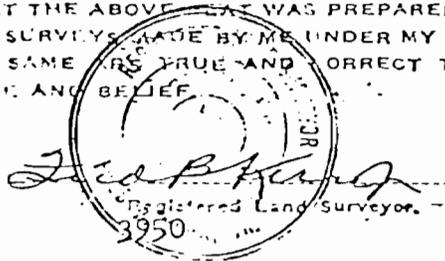
ELEVATION 4851 ungraded ground



SCALE: 4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF

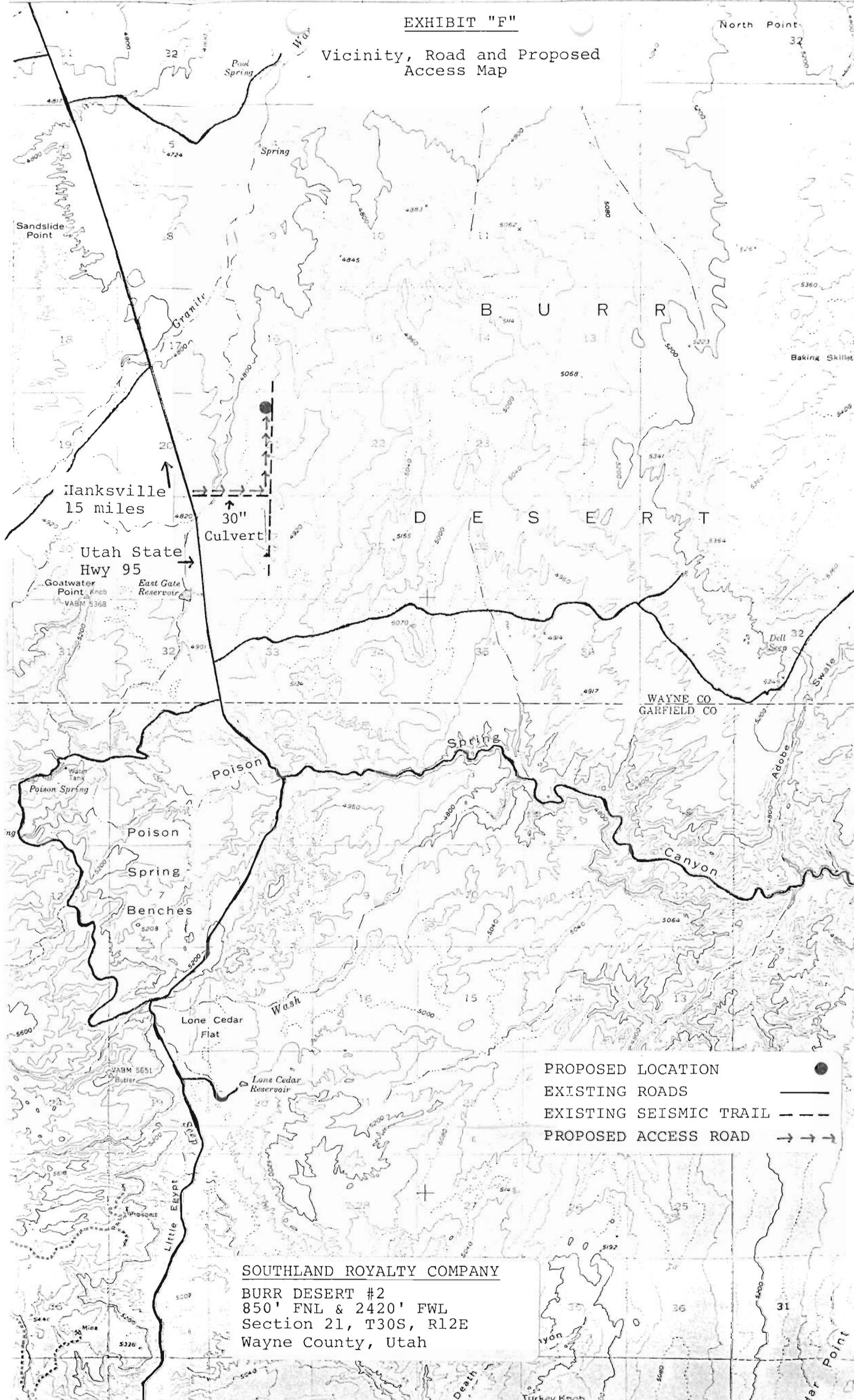
SEAL:



SURVEYED July 21, 1981

EXHIBIT "F"

Vicinity, Road and Proposed Access Map



Hanksville
15 miles

Utah State
Hwy 95

Culvert

WAYNE CO
GARFIELD CO

- PROPOSED LOCATION ●
- EXISTING ROADS ———
- EXISTING SEISMIC TRAIL - - -
- PROPOSED ACCESS ROAD → → →

SOUTHLAND ROYALTY COMPANY
 BURR DESERT #2
 850' FNL & 2420' FWL
 Section 21, T30S, R12E
 Wayne County, Utah

EXHIBIT "B"

TEN POINT COMPLIANCE PROGRAM OF NTL-6 APPROVAL OF OPERATIONS

SOUTHLAND ROYALTY COMPANY

BURR DESERT #2

850' FNL & 2420' FWL
Section 21, T30S, R12E
Wayne County, Utah

1) The Geologic Surface Formation:

The surface formation is Entrada.

2) Estimated Geologic Tops and Important Markers:

See Exhibit "C".

3) Estimated Depths of Anticipated Water, Oil, Gas or Minerals:

Navajo	350'	Water
Hermosa	4314'	Oil and Gas

4) Proposed Casing Program:

See Exhibit "C".

5) Operators Minimum Specifications for Pressure Control:

Exhibit "D" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to the full working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24 hours. Blind rams and annular preventer will be operationally checked each time pipe is pulled out of the hole. All checks will be noted in the Tour Report Book.

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

6) Type and Characteristics of the Proposed Circulating Muds:

See Exhibit "C". Materials will be on site to control any anticipated downhole problems as well as any possible fluid spills on the surface.

- 7) The Auxiliary Equipment to be used:
- a) A kelly cock will be kept in the string at all times
 - b) A string float will be used at the bit at all times
 - c) A stabbing valve will be on the floor to be used at any time the kelly is not in the string.
 - d) A mud logging unit for gas detection will be monitoring the drilling.
- 8) Testing, Coring and Logging Program to be Followed:
- See Exhibit "C".
- 9) Any Anticipated Abnormal Pressures or Temperatures:
- No abnormal pressures or temperatures are expected in this well.
- No hydrogen sulfide or other hazardous fluids or gases are expected in this well.
- 10) Anticipated Starting Date and Duration of the Operations:
- The anticipated starting date is September 20, 1981.
Operations should be completed within 60 days of spud date.

EXHIBIT "C"

SOUTHLAND ROYALTY COMPANY - DRILLING SCHEDULE

BURR DESERT #2

850' FNL & 2420' FWL
Section 21, T30S, R12E
Wayne County, Utah

Field: Wildcat Elevation: 4851' GR

Geology:

Formation Tops:	Kayenta	968'	Hermosa	4314'
	Wingate	1198'	Ismay	4738'
	Chinle	1516'	Desert Creek	4892'
	Moenkopi	1874'	Akah	5064'
	White Rim	2336'	Barker Creek	5204'
	Organ Rock	2816'	Pinkerton Trail	5332'
	Cedar Mesa	2992'	Molas	5678'
	Elephant Canyon	3826'	Total Depth	5685'

Logging Program: DIL/SFL run from Total Depth to Surface Casing,
GR-CNL/FDC with Caliper from Total Depth to 4200',
GR-BHC/Sonic with Caliper from Total Depth to 4200',
Dipmeter from Total Depth to 4600' (with Geologist's consent).
Mud Logger and Wellsite Geologist to be on location from
1500' to Total Depth.

Coring and Sampling Program:

30' samples from surface casing to 4200'.
10' samples from 4200' to Total Depth.
Core points will be picked by the Wellsite Geologist.

Drill Stem Testing: DST to be run on all shows below 4200'.

Drilling:

Contractor:

Tool Pusher:

SRC Rep:

SRC Answering Service: 505-325-1841
Dispatch Number: 505-325-7391

Mud Program:

0' - 200' Spud Mud

200' - 3700' Benex and Water. Mud as necessary for lost
circulation or tight hole conditions.

3700' - T.D. Fresh water low solids, mud should be treated
for expected anhydrite from Hermosa to Total
Depth.

Materials:

Casing Program:	Hole Size	Depth Set	Casing Size	Weight & Grade
	13-1/2"	200'	10-3/4"	32.75# H-40
	* 9-7/8"	2860'		
	7-7/8"	5685'	5-1/2"	15.50# K-55

NOTE: * A 9-7/8" hole will be drilled into the Organ Rock (2860'). If hole conditions permit it, the hole size will then be reduced to 7-7/8" to finish the hole. If necessary 7-5/8" intermediate casing will be run at 2860', and a 6-3/4" hole drilled to Total Depth (5685').

Float Equipment:

10-3/4" Surface Casing: B & W Cement Guide Shoe (FC01).

* 7-5/8" Intermediate Casing: To be specified if casing is run.

5-1/2" Production Casing: B & W Guide Shoe (FC01). B & W self fill flapper float collar (FP01) run one joint off bottom. 5 - B & W standard centralizers (AA02) run every other joint above shoe. Stage tool at ± 2860' with a cement basket below and 5 - B & W standard centralizers (AA02) every other joint above tool.

Wellhead Equipment: 10-3/4" X 10", 2000# bradenhead

Cement Program:

10-3/4" Surface Casing: 125 sacks (148 cu.ft.) of Class "B" with 1/4# gel flake per sack and 3% CaCl₂. WOC 12 hours. Test to 600 psi prior to drilling out. (100% excess to circulate cement to surface.)

7-5/8" Intermediate Casing: To be specified if casing is run.

5-1/2" Production Casing: STAGE ONE

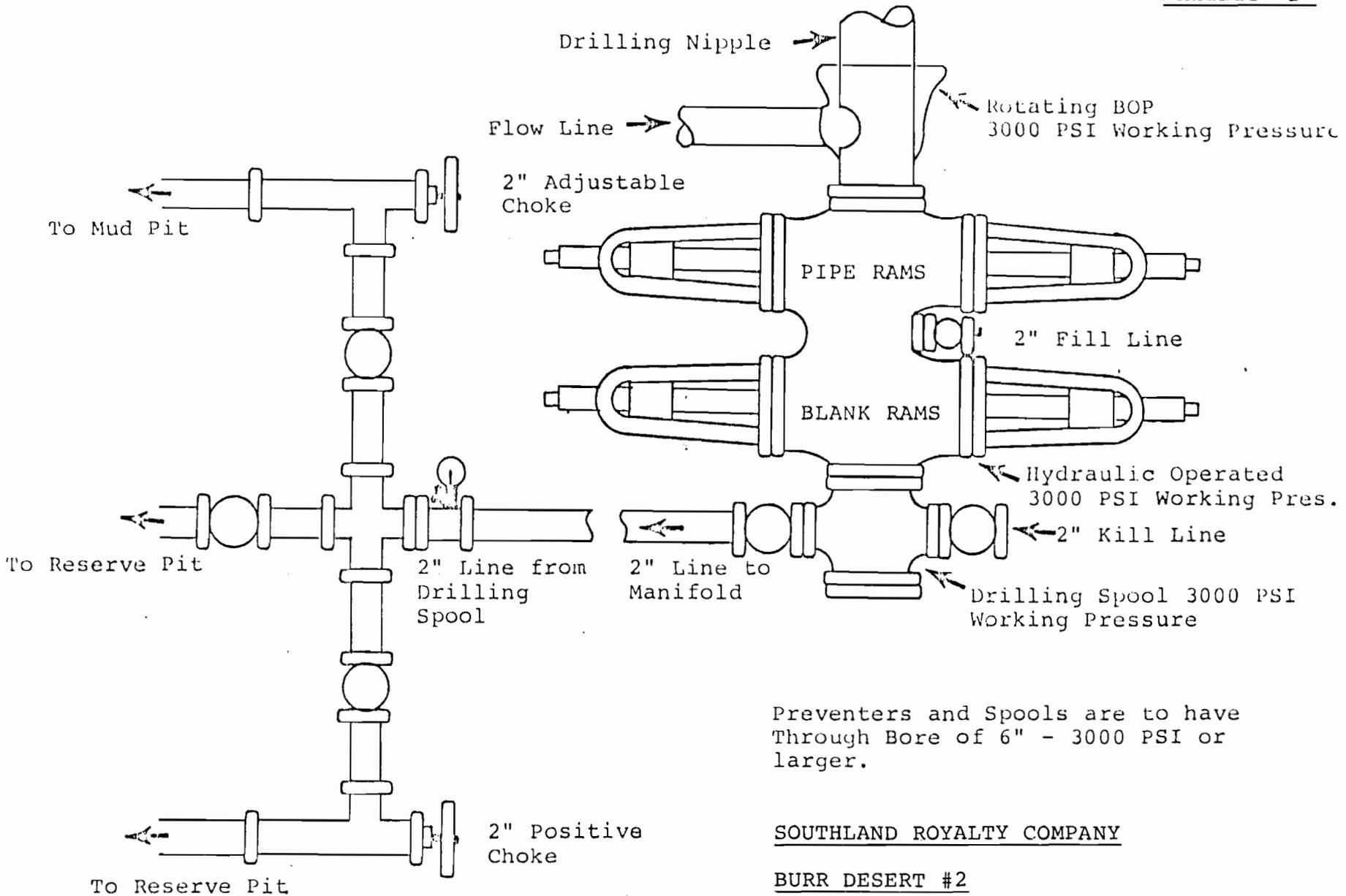
200 sacks (298 cu.ft.) of Class "B" 50/50 Poz with 6% gel and 1/4# gel flake per sack, followed by 50 sacks (59 cu.ft.) of Class "B" with 2% CaCl₂. (50% excess to cover Hermosa.)

STAGE TWO

380 sacks (566 cu.ft.) of Class "B" 50/50 Poz with 6% gel and 1/4# gel flake per sack, followed by 50 sacks (59 cu.ft.) of Class "B" with 2% CaCl₂. (50% excess to cover Wingate.)

WOC and circulate as necessary between stages.

L. O. VAN RYAN
DISTRICT PRODUCTION MANAGER



Preventers and Spools are to have Through Bore of 6" - 3000 PSI or larger.

SOUTHLAND ROYALTY COMPANY

BURR DESERT #2

850' FNL & 2420' FWL
Section 21, T30S, R12E
Wayne County, Utah

- D. Sewage: Sewage will be contained in a portable latrine or bored hole and suitable chemical will be used to decompose water materials.
- E. Garbage and other water materials: Garbage and other waste materials will be put in the burn pit and all flammable matter will be burned. Burn pits will be enclosed with small mesh wire to prevent littering.
- F. Clean-up of well-site: Upon completion of drilling, all trash and litter will be picked up and placed in the burn pit which will be buried. The reserve pits will be fenced on three sides during drilling and the fourth side will be fenced when drilling is completed. The pit(s) will remain fenced until dry, at which time they will be backfilled.

8. Ancillary Facilities

There will be no camps or airstrips.

9. Wellsite Layout

- A. Cuts and fills: See well-site layout. (Exhibit "H")
- B. Location of pits and stockpiles: See well-site layout. (Exhibit "H")
- C. Pad orientation: See well-site layout. (Exhibit "H")
- D. Lining of pits: The reserve pits will not be lined, steel mud tanks will be used during drilling operations.
- E. Safety: Safety will be of primary concern at all times and applicable safety regulations will be enforced at all times.

10. Plans for Restoration of Surface

- A. Backfilling, leveling, contouring and water disposal:

Topsoil will be stripped from the location and stockpiled for use after completion of contouring at which time it will be spread on the location. Backfilling of the reserve pit(s) will be done as soon as the pits are dry. Contouring of the location will be done in such a manner as to blend into and with the existing topography. If production is encountered, all areas not directly needed for operation of the well, will be seeded according to the surface managing agency or land owner's stipulations. Waste disposal will begin immediately after completion of drilling operations. All trash and litter will be picked up, placed in the burn pit and buried with a minimum of two feet.

B. Revegetation and rehabilitation:

Revegetation of the location and access roads will begin with reseeding which will be done in the Spring or Fall of the year with the seed mix specified by the appropriate agency or owner. Rehabilitation of the location and access road will include contouring, replacement of topsoil and reseeding as noted above.

C. Prior to Rig Release:

The pits will be fenced on all four sides with a stock-tight fence. Fence will remain until pits are backfilled.

D. Oil on pit will be removed or overhead flagging will be installed for the protection of waterfowl.

E. Timetable of rehabilitation operations:

Commencement of rehabilitation work will be upon completion of drilling. Completion of rehabilitation work will depend on weather conditions and time required for pits to dry.

11. Other Information Used

A. Topography, Soil characteristics, Geologic features, flora and fauna:

The soil is sand, no distinguishing geological features are present. The area is covered with sparse scrub vegetation.

B. Surface-use and ownership:

The primary surface use is grazing. Surface ownership is Federal.

C. Proximity of water, occupied dwellings, archaeological, historical or cultural sites:

Nearest Water - Dirty Devil River - 9 miles East of location

Nearest Dwelling - 4 miles West of location

Archaeological - An archaeological report will be forthcoming as soon as it is completed.

12. Lessee or Operator's Field Representative

Mr. Ross Lankford will be Southland Royalty Company's Field Representative supervising these operations.

13. Certification

I hereby certify that I, or persons under my direct supervision have inspected the proposed drillside 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 as stated and in conformity with this plan and the terms and conditions under which it is approved.



L. O. VAN RYAN
DISTRICT PRODUCTION MANAGER

7-29-81
DATE



Southern Royalty Company
 ROCKY MOUNTAIN DISTRICT
 PARKINGORE, NEW MEXICO

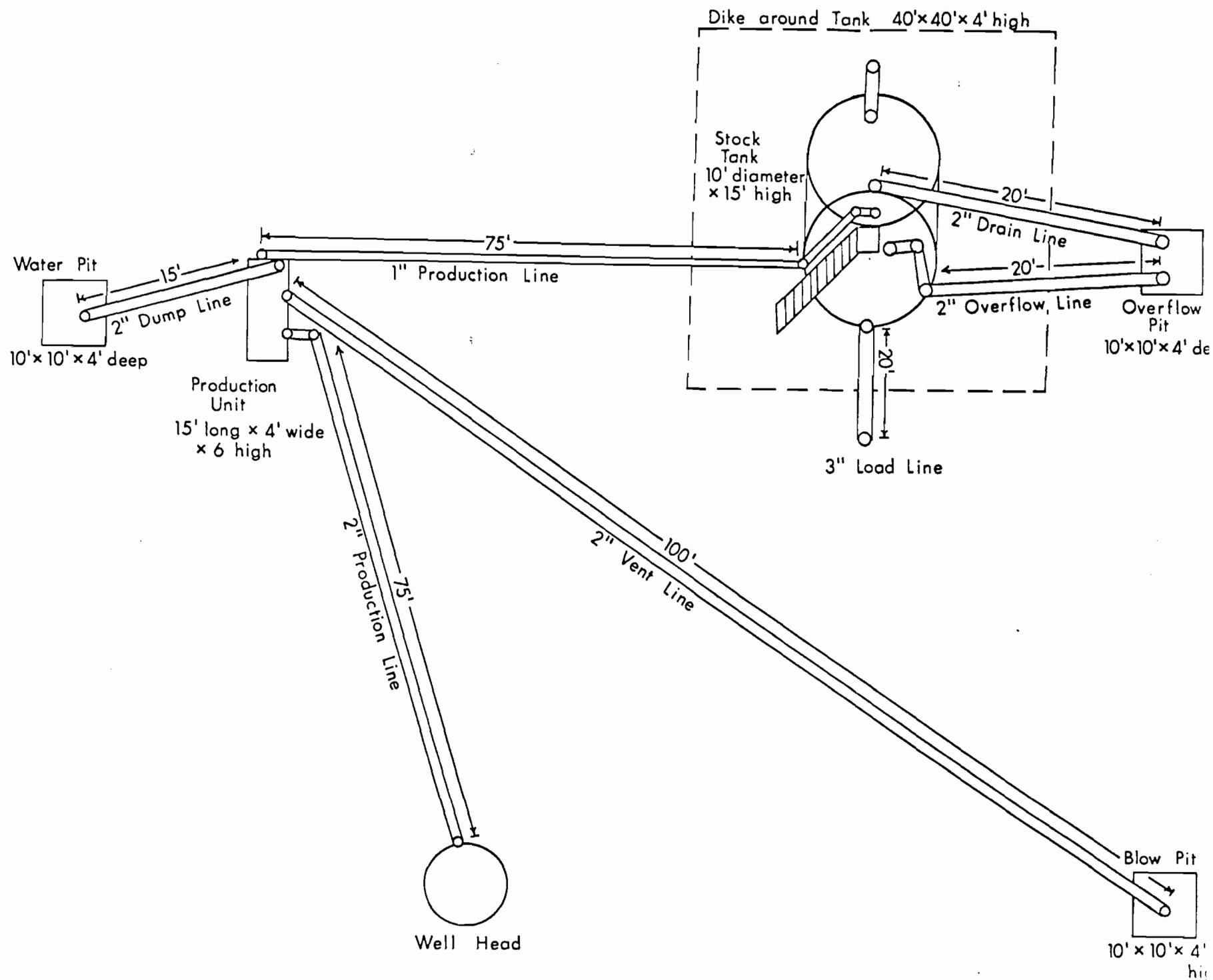
PROPOSED PRODUCTION FACILITY LAYOUT

WELL BURR DESERT #2

850' FNL & 2420' FWL
 SECTION 21, T30S, R12E
 WAYNE COUNTY, UTAH

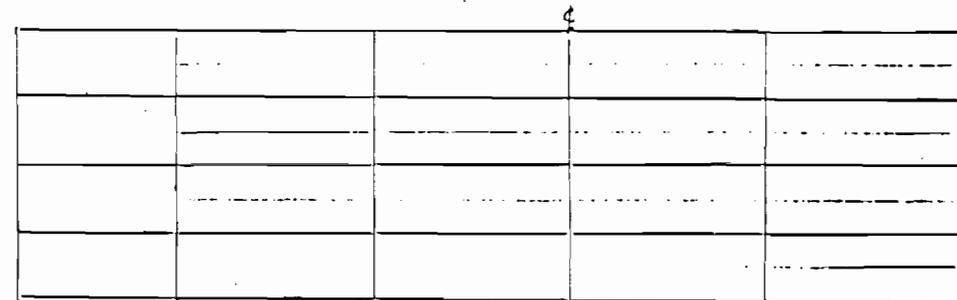
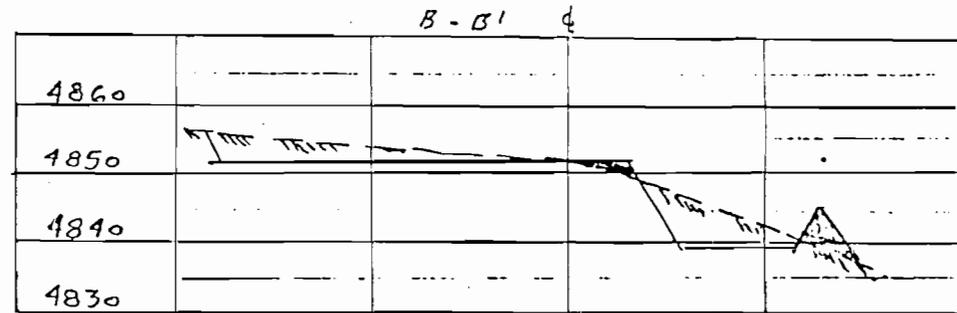
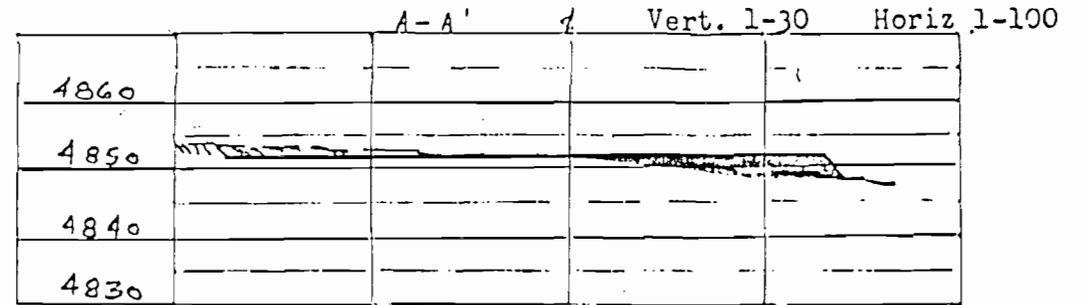
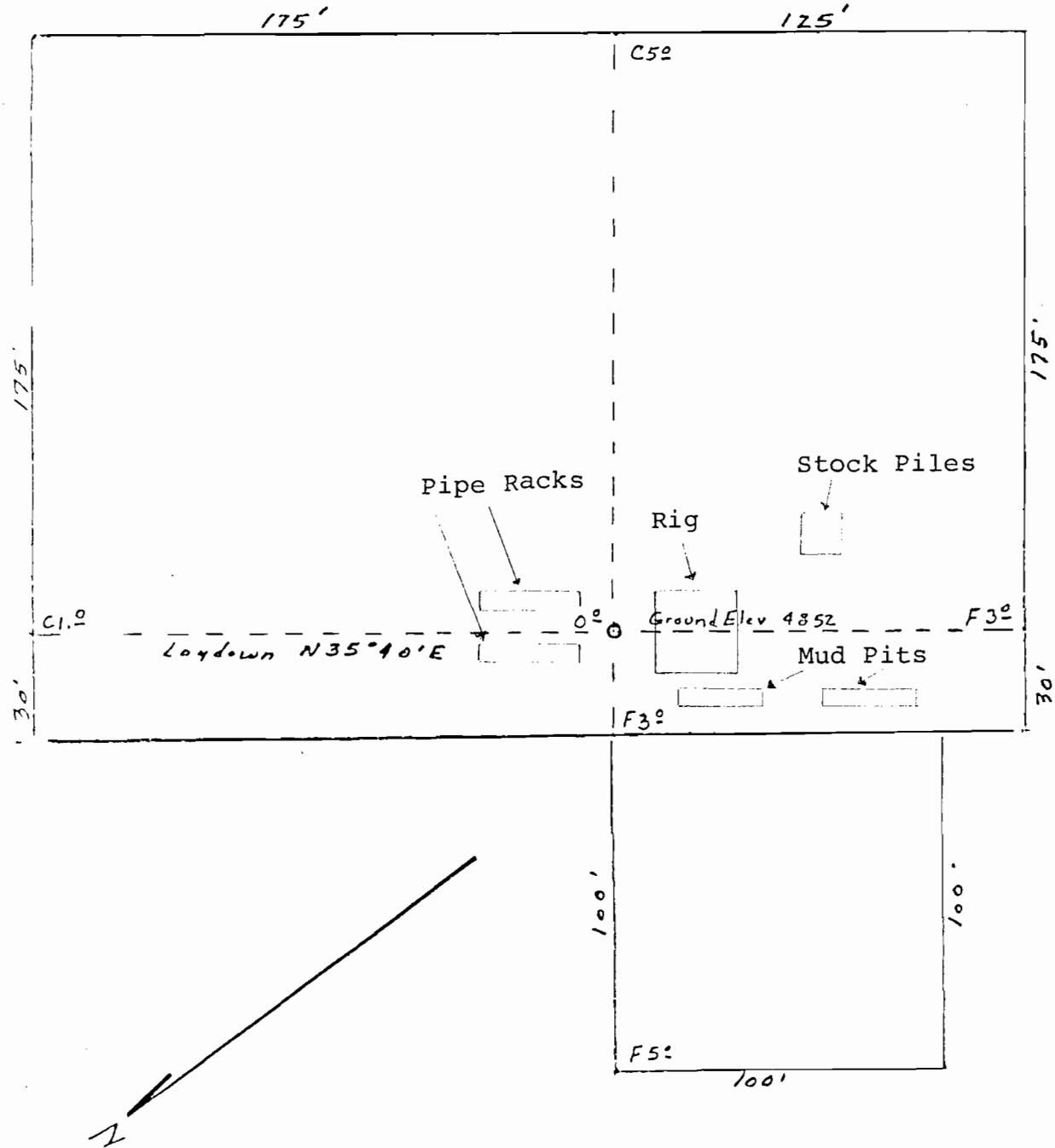
EXHIBIT "G"

NOTE: ALL PITS WILL BE FENCED AND A DIKE WILL BE CONSTRUCTED AROUND TANK BATTERY.



Profile map for
 SOUTHLAND ROYALTY COMPANY #2 BURR DESERT
 850'FNL 2420'FWL Sec. 21-T30S-R12E
 WAYNE COUNTY, UTAH

EXHIBIT "H"



OWNER: Southland Royalty Company

WELL NO. Burr Desert #12

LOCATION: 1/4 SE 1/4 NE 1/4 sec. ~~24~~²¹, T. 30 S., R. 12 E.,

Wayne County, Utah

Stratigraphy:	Quaternary sand - surface	Elephant Canyon	3770	+1375
	Entrada	Pennsylvanian	4250	+915
	Wingate 1240	Ismay	4600	+565
	Chinle 1530	Paradox	4725	+440
	Moenkopi 1825	Molas	5340	-175
	Kaibab 2260	Mississippian	5460	-295
	White Kim 2275	Devonian	6170	-1025
	Organ Rock 2735	McCraden	6540	-1385
	Cedar Mesa 2945			

fresh Water:

See attached WRD report from sec 4.; T.30S.; R.13E.

Operator expects fresh water in the Navajo.

Observable Minerals: None

Additional Logs Needed: ATC logging program appears to be adequate.

potential Geologic Hazards:

A well in sec 34; T. 30 S.; R. 13 E.

reported sulfur odor from a core in the Pennsylvanian. Sulfur water
was recovered from the well. No actual H₂S gas has been reported.

References and Remarks: U.S.G.S. 100, SLC Utah

Signature: J. Paul Mathew

Date: 10 - 15 - 79

United States Department of the Interior
Geological Survey
Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name SOUTHLAND ROYALTY CO. / BURR DESERT #2
Project Type WILDCAT OIL OR GAS WELL
Project Location 850' FNL, 2420' FWL SEC 21 T 30S R 12E
Date Project Submitted 8-3-81

FIELD INSPECTION

Date 8-19-81

Field Inspection
Participants

<u>GEORGE DIWACHAK</u>	<u>USGS</u>
<u>LYNN JACKSON</u>	<u>BLM</u>
<u>JOHN CRUM</u>	<u>SOUTHLAND</u>
<u>RED HUNT</u>	<u>HUNT'S SERVICE</u>
<u>GREG SEWARD</u>	<u>CENTURY RESOURCES</u>

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

AUG 26 1981

Date Prepared

George J. Diwachak
Environmental Scientist

I concur

8/26/81
Date

E. S. [Signature]
District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

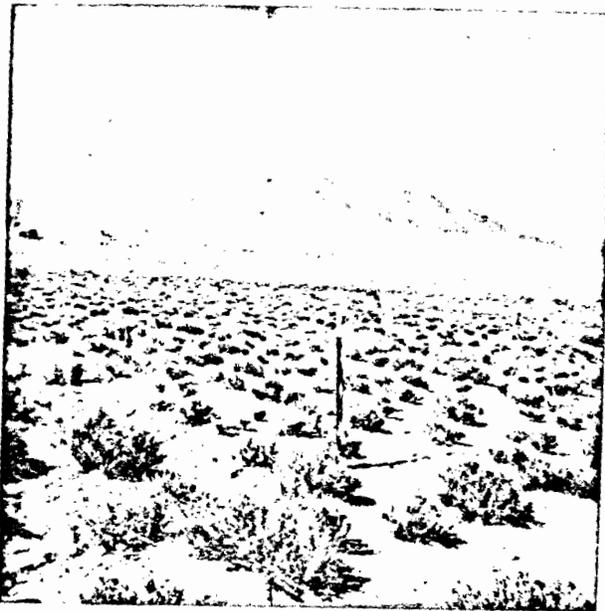
Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety	1 ↓ (8-21-81)						6	6 (8-19-81)	4,8
2. Unique charac- teristics	1					2	6	6	4,8
3. Environmentally controversial	1						6	6	4,8
4. Uncertain and unknown risks	1						6	6	4,8
5. Establishes precedents	1						6	6	4,8
6. Cumulatively significant							6	6	4.
7. National Register historic places	1								
8. Endangered/ threatened species	1 (8-19-81)								
9. Violate Federal, State, local, tribal law	1 (8-21-81)						6	6	4,8

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. *RECOMMENDED STIPULATIONS*

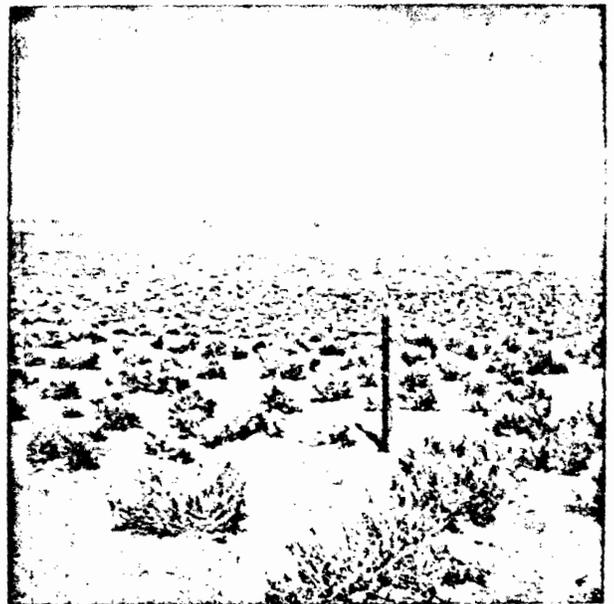
RECOMMENDED STIPULATIONS

1. SEE ATTACHED STIPULATIONS
2. NO TURNOUTS WILL BE CONSTRUCTED ALONG THE ACCESS ROAD.



SOUTHLAND ROYALTY
2

↑
W



SOUTHLAND ROYALTY
2

↑
N

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 Wildcat SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Southland Royalty Company

3. ADDRESS OF OPERATOR
 P.O. Drawer 570, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
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 At proposed prod. zone
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 U-24926

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 Utah

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15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
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 640

17. NO. OF ACRES ASSIGNED TO THIS WELL
 80

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 n/a

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 4851' GR

22. APPROX. DATE WORK WILL START*
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24. SIGNED R. E. Ziller TITLE District Engineer DATE July 27, 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] TITLE FOR E. W. GUYNN DATE SEP 01 1981
 DISTRICT ENGINEER

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

[Handwritten signature]

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



Southland Royalty Company

July 27, 1981

United States Geological Survey
Room 2000, Administration Bldg.
1745 West 1700th South
Salt Lake City, Utah 84104

RE: Blowout Preventer Plan

Dear Sir:

All drilling and completion rigs will be equipped with 6" or larger double gate hydraulic blowout preventers and a hydraulic operated closing unit with steel lines.

The preventer is 3000# working pressure and 6000# test pressure. All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested frequently enough to ensure proper operation.

Sincerely,

SOUTHLAND ROYALTY COMPANY

R.E. Fielder
District Engineer

REF/eg



Southland Royalty Company

July 27, 1981

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

RE: Burr Desert #2
850' FNL & 2420' FWL
Section 21, T30S, R12E
Wayne County, Utah

RECEIVED

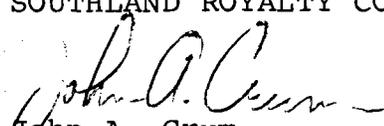
DIVISION OF
OIL, GAS & MINING

Gentlemen:

Southland Royalty Company applies for exception to Rule C-3 for the subject location. All leases within a 660' radius of the location are owned by Southland Royalty Company.

Yours truly,

SOUTHLAND ROYALTY COMPANY


John A. Crum
Petroleum Engineer

JAC/eg

** FILE NOTATIONS **

DATE: Aug 10, 1981
OPERATOR: Southland Royalty Co.
WELL NO: Burn Desert #2
Location: Sec. 21 T. 30S R. 12E County: Wayne

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

API Number 43-055-30031

CHECKED BY:

Petroleum Engineer: _____

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

Administrative Aide: OK as per rule C-3(c), has logs, etc. on other oil or gas well.

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 Lease Plotted on Map
Approval Letter Written
Hot Line P.I.

August 14, 1981

Southland Royalty Company
P. O. Drawer 570
Farmington, New Mexico 87401

RE: Well No. Burr Desert #2,
Sec. 21, T. 30S, RR. 12E,
Wayne 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), in the 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:

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 43-055-30031.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

CBF/db
CC: USGS



United States Department of the Interior

IN REPLY REFER TO

3100 (U-059)

BUREAU OF LAND MANAGEMENT
Henry Mountain Resource Area
P.O. Box 99
Hanksville, Utah 84734

August 21, 1981

George Diwachak
U.S. Geological Survey - Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

RE: Southland Royalty APD
Burr Desert - 2
Sec. 21, T 30 S, R 12 E

Dear Mr. Diwachak:

In regards to the on-site inspection held on 8/19/81 for the above referred to well, we would like the following stipulations included in the APD:

1. Access road width may be increased to 25 feet ^{of} *total disturbance within 12 Ft wide running surface.*
2. A 30" culvert will be installed where the access road crosses the wash in Sec. 21.
3. Any water discovered by drilling will be reported to the BLM Area Manager prior to abandonment of the well-site.
4. The reserve pit will be ^{KEYSEATED AND} lined with shale taken from the pad site. If there is not enough shale for complete lining, the lining will be supplemented with bentonite to be hauled in from an area specified by the Area Manager. The pit will be inspected by the Area Manager's authorized officer prior to being used.
5. Portable chemical toilets will be used on-site.
6. Trash will be contained and/or burned in a caged pit. The cage will be removed and the trash properly disposed of prior to well-site abandonment.
7. The top 6 - 12" of top soil will be removed and stockpiled in windrows around the perimeter of the pad. This material will then be evenly redistributed over the re-contoured pad during reclamation work.
8. The reserve pit will be fenced at all times during drilling and until reclamation is completed in order to keep out wildlife and livestock.
9. No reclamation work is to be started until a BLM representative confirms that the mudpits have dried sufficiently to prevent puddling of the soil.
10. The location will be recontoured to approximately natural contours for

reclamation purposes. The access road, all the way from U-95, will be ripped and recontoured to blend with the surrounding topography upon completion of the reclamation work.

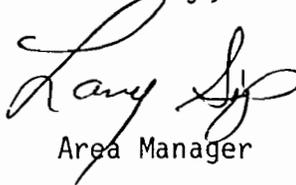
11. Both the location and the access road will be seeded to the following mixture of seed in the presence of a BLM representative:

a. Indian ricegrass	<u>Oryzopsis hymenoides</u>	3 lb
b. Sand dropseed	<u>Sporobolus cryptandrus</u>	2 lb
c. Galleta	<u>Hilaria jamesii</u>	2 lb
d. Mormon tea	<u>Ephedra viridis</u>	2 lb
e. Globemallow	<u>Sphaeralcea coccinea</u>	2 lb

An archaeological survey has been conducted by Centuries Research and archaeological clearance is granted at this time.

If there are any questions concerning these stipulations, please feel free to contact this office.

Sincerely,



Larry Sj
Area Manager

cc: Carl Hunt

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Southland Royalty Company

3. ADDRESS OF OPERATOR
P.O. Drawer 570, Farmington, New Mexico 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 850' FNL & 2420' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-24926

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Burr Desert

9. WELL NO.
2

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 21, T30S, R12E

12. COUNTY OR PARISH Wayne 13. STATE Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4851' 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 type="checkbox"/>
(other) <u>Add to Approved Casing Design</u>		

(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.)*

Southland Royalty Company proposes to add 60' of 16" conductor casing to the casing design approved in our APD on the subject well as follows:

Size of Hole	Size Casing	Weight per Foot	Setting Depth	Quality of Cement
24"	16"	65.0#	60'	90 sxs (106 cu.ft.)

Verbal approval: Jim Raffoul to John Crum 9-25-81.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED John U. Crum TITLE Engineer DATE September 28, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 10-14-81
BY: M. J. Minner

NOTICE OF SPUD

*Southland
Royalty Co.*

Caller: John Crum

Phone: _____

RECEIVED

SEP 02 1981

Well Number: Burr Desert #2

Location: NENW 21-30S-12E

DIVISION OF
OIL, GAS & MINING

County: Wayne State: Utah

Lease Number: U-24926

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 9-29-81 4:30 P.

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) 24" hole

Rotary Rig Name & Number: Aztec Well Service Rig 171

Approximate Date Rotary Moves In: next week

FOLLOW WITH SUNDRY NOTICE

Call Received By: KR

Date: 9-30-81

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

MONTHLY REPORT
OF
OPERATIONS

Lease No. 71-02492
Communitization Agreement No. _____
Field Name Wildcat
Unit Name _____
Participating Area _____
County Wayne State Utah
Operator Southland Royalty Company
 Amended Report WELL NAME Burr Desert

The following is a correct report of operations and production (including status of all unplugged wells) for the month of September, 19 81

(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
2	21 NENW	30S	12E	DRG					Spudded Well 9/29/81.

OCT 28 1981

*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: [Signature] Address: P.O. DRAWER 570, Farmington, New Mexico
Title: District Production Manager Page 1 of 1 87401

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Southland Royalty Company

3. ADDRESS OF OPERATOR
P.O. Drawer 570, Farmington, New Mexico 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 850' FNL & 2420' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-24926

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Burr Desert

9. WELL NO.
2

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 21, T30S, R12E

12. COUNTY OR PARISH
Wayne

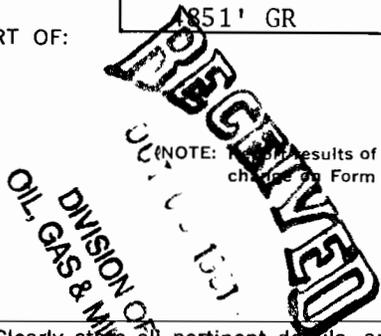
13. STATE
Utah

14. API NO.
43-055-30031

15. ELEVATIONS (SHOW DF, KDB, AND WD)
851' 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 type="checkbox"/>
(other) Spud & Casing Report			<input checked="" type="checkbox"/>



(NOTE: For 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.)*

9-29-81 Spudded 24" conductor hole at 4:30 P.M. 9-29-81.

9-30-81 Ran 60' of 16", 65.0#, H-40 PE conductor pipe. Set at 65'.

10-01-81 Cemented conductor pipe with 125 sacks of Class "B" Neat cement, cement to surface. Job complete at 8:30 A.M. 10-1-81.

Reported spudding to U.S.G.S. Salt Lake City office by phone 1:15 P.M., 9-30-81.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

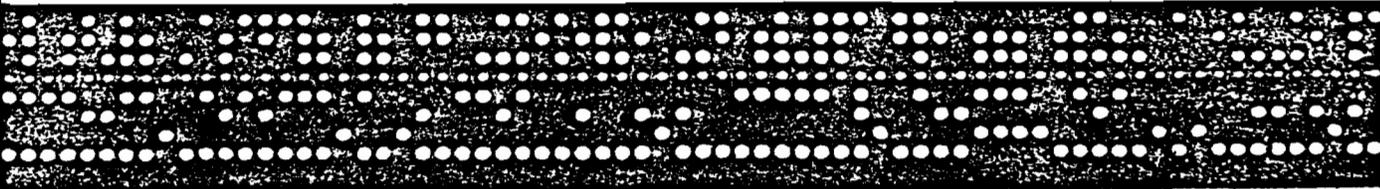
SIGNED John A. Quinn TITLE Engineer DATE October 1, 1981

(This space for Federal or State office use)

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

JOHNSTON
Schlumberger

**computerized
data
analysis**



COMPUTERIZED DATA ANALYSIS

OCTOBER 29, 1981

GENTLEMEN:

THE ENCLOSED TEST APPEARS TO BE A GOOD MECHANICAL DRILL STEM TEST DURING WHICH THE TOOLS DID FUNCTION PROPERLY. THE FORMATION PRODUCED ENOUGH RESERVOIR FLUID FOR PROPER IDENTIFICATION. RESERVOIR PRESSURE DRAWDOWN WAS SUFFICIENT AND ADEQUATE SHUT-IN BUILD-UPS DID OCCUR FOR RELIABLE QUANTITATIVE ANALYSIS. AFTERFLOW WAS STILL IN EFFECT ON THE INITIAL SHUT-IN BUILD-UP TO THE EXTENT THAT THE PLOT IS CONSIDERED UNRELIABLE FOR ANALYSIS. RESERVOIR PARAMETERS WERE CALCULATED BY THE MCKINLEY METHOD.

1. FLOW RATE: A FLOW RATE OF 3 BBL/DAY OF LIQUID (MUD) WAS NOTED DURING THIS TEST.
2. RESERVOIR PRESSURE: MAXIMUM RESERVOIR PRESSURE WAS ESTIMATED TO BE 1047 P.S.I.G. AT RECORDER DEPTH USING A .437 P.S.I./FT. GRADIENT.
3. PERMEABILITY: THE CALCULATED TRANSMISSIBILITY FACTOR OF .115 MD.-FT./CP. INDICATES AN AVERAGE EFFECTIVE PERMEABILITY TO LIQUID OF .0008 MD. FOR THE REPORTED 128 FOOT TEST INTERVAL. THE CALCULATIONS WERE BASED ON A MCKINLEY SLOPE OF 4240 P.S.I./LOG CYCLE OBTAINED FROM THE FINAL SHUT-IN BUILD-UP PLOT. IT WAS ASSUMED FOR THESE CALCULATIONS: (A) VISCOSITY .89 CP., (B) FORMATION VOLUME FACTOR 1.03 BBL/BBL. THESE FIGURES WERE OBTAINED FROM THE AVAILABLE TECHNICAL LITERATURE.
4. WELLBORE DAMAGE: THE CALCULATED DAMAGE RATIO OF .21 INDICATES THAT A STIMULATED WELLBORE IS PRESENT AT THE TIME AND CONDITIONS OF THIS TEST.
5. RADIUS OF INVESTIGATION: THE CALCULATED RADIUS OF INVESTIGATION OF THIS TEST IS 2 FEET BASED ON AN ASSUMED POROSITY OF 10%, COMPRESSIBILITY OF 3.0×10^{-6} , AND OTHER ASSUMPTIONS MADE IN NUMBER 3 ABOVE.
6. GENERAL COMMENTS: THE FORMATION EXHIBITS THE CHARACTERISTICS OF RELATIVELY LOW PERMEABILITY EFFECTIVE TO THE RESERVOIR FLUID AND INDICATES THE ABSENCE OF WELLBORE DAMAGE.

Gary Zolnosky
GARY ZOLNOSKY

DENVER RESERVOIR EVALUATION DEPARTMENT

SOUTHLAND ROYALTY COMPANY
BURR DESERT #2, WAYNE COUNTY,
UTAH, SEC. 21, T30S R12E
2420' TO 2548', TEST #3

FIELD REPORT #34209 E

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation



Reservoir Engineering Data

Recorder No. J-1243

Field Report No. 34209 E

Damage Ratio	DR	.21		Effective Transmissibility TO LIQUID	$\frac{Kh}{\mu B}$.115	$\frac{Md-ft.}{Cp.}$
Maximum Reservoir Pressure ESTIMATED	P_o	1047	P.S.I.G.	Effective Transmissibility	$\frac{Kh}{\mu B}$		$\frac{Md-ft.}{Cp.}$
Slope of Shut-in Curve CALCULATED	M	4240	PSI/log cycle	Flow Rate LIQUID	Q	3	Bbl./day
Potentiometric Surface (Datum Plane, Sea Level)	PS	----	ft.	Pressure Gradient ESTIMATED		.437	PSI ft.
Productivity Index	PI	----	Bbl./day/PSI	Gas Oil Ratio	GOR	----	CF/Bbl.
Radius of Investigation		2	ft.	K (Effective to LIQUID)		.0008	Md.

Assumptions made for Calculations for Liquid Recoveries

1. Q is averaged at a constant rate.
2. P_i is formation flowing pressure at a constant rate.
3. Formation flow is taken as single phase flow.
If gas is produced at surface, phase separation is assumed to have occurred in drill pipe.
4. Radial flow is assumed.
5. For the purpose of calculating EDR where specific reservoir parameters are not available it is assumed that:

Effective permeability, K, will fall between 1 to 200 md
 Formation porosity, ϕ , will fall between 0.1 to 0.3
 Fluid compressibility, c, will fall between 10^{-4} to 10^{-2}
 Fluid viscosity, μ , will fall between 0.05 to 50 cp.
 Well bore radius, r_w , will fall between $3'$ to $4'$

Which gives an average value for the function $\log \frac{K}{\phi \mu c r_w^2}$ of 5.5

6. Other standard radial flow, equilibrium assumptions.

Empirical Equations:

1. $EDR = \frac{P_o - P_f}{M(\log T + 2.65)}$ where $M = \frac{P_i - P_{10}}{\text{Log Cycle}}$

2. Transmissibility $\frac{Kh}{\mu B} = \frac{162.6 Q}{M}$

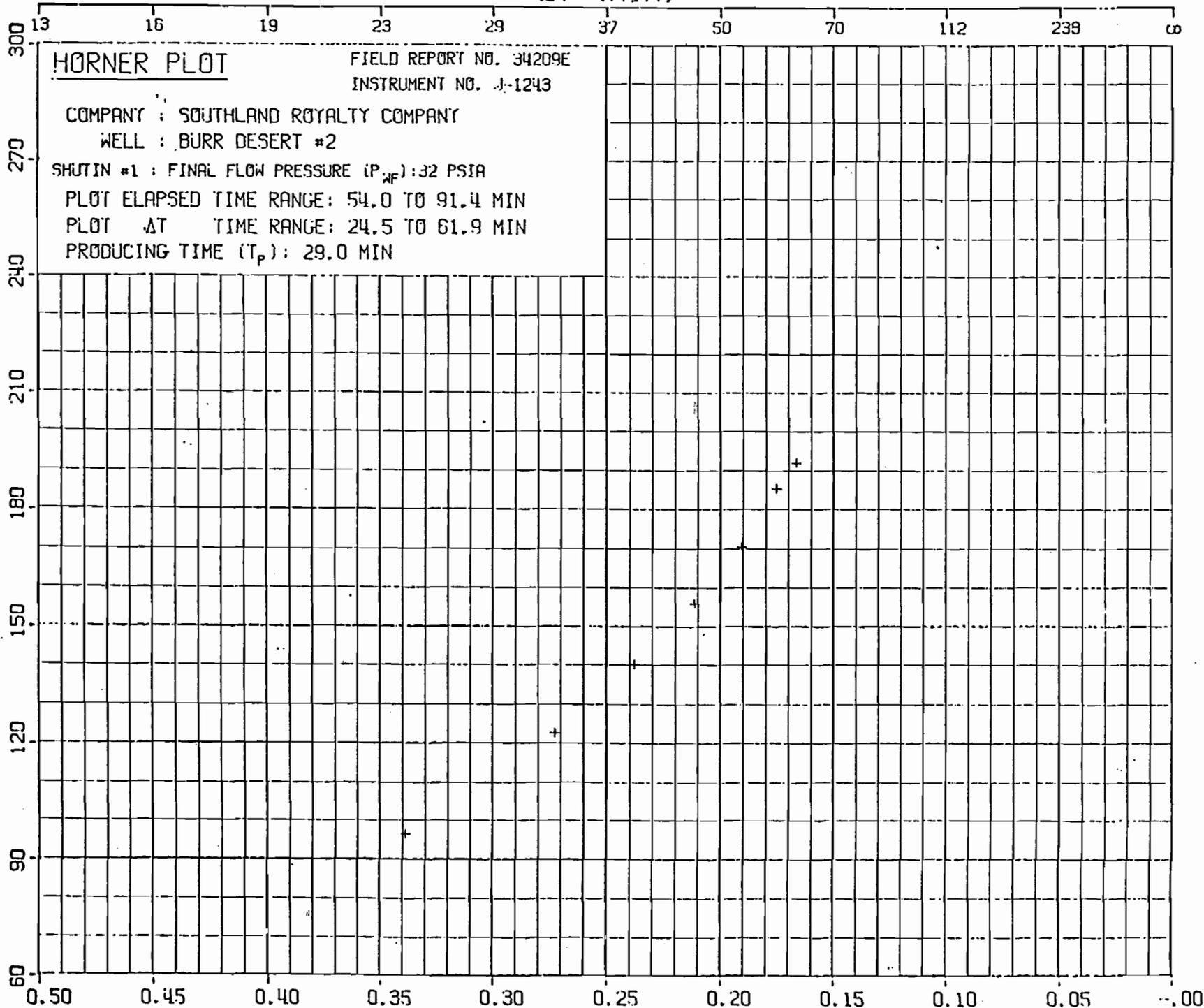
3. DST J = $\frac{Q}{P_o - P_i}$ Theoretical J = $\frac{7.08 \cdot 10^{-4} Kh}{\mu B \ln(r_e/r_w)}$ Assumed $\ln(r_e/r_w) \approx 7.60$

4. P.S. = $[P_o \times 2.309 \text{ ft./PSI}] - [\text{Recorder depth to sea level.}]$

5. Radius of investigation, $r_i = \sqrt{\frac{Kt}{40\phi\mu c}}$ where t = time in days

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not guarantee the accuracy or correctness of any interpretation. We shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for

ΔT (MIN)



LOG $\left[\frac{T_p + \Delta T}{\Delta T} \right]$

JOHNSTON-MACCO
CORPORATION

SHUTIN PRESSURE [PSIA]

ΔT (MIN)

9.7 13 16 22 29 40 58 87 149 330 ∞

HORNER PLOT

FIELD REPORT NO. 34209E
INSTRUMENT NO. J-1243

COMPANY : SOUTHLAND ROYALTY COMPANY
WELL : BURR DESERT #2

SHUTIN #2 : FINAL FLOW PRESSURE (P_{wf}): 39 PSIA

PLOT ELAPSED TIME RANGE: 172.0 TO 337.0 MIN

PLOT ΔT TIME RANGE: 17.1 TO 182.1 MIN

PRODUCING TIME (T_p): 87.0 MIN

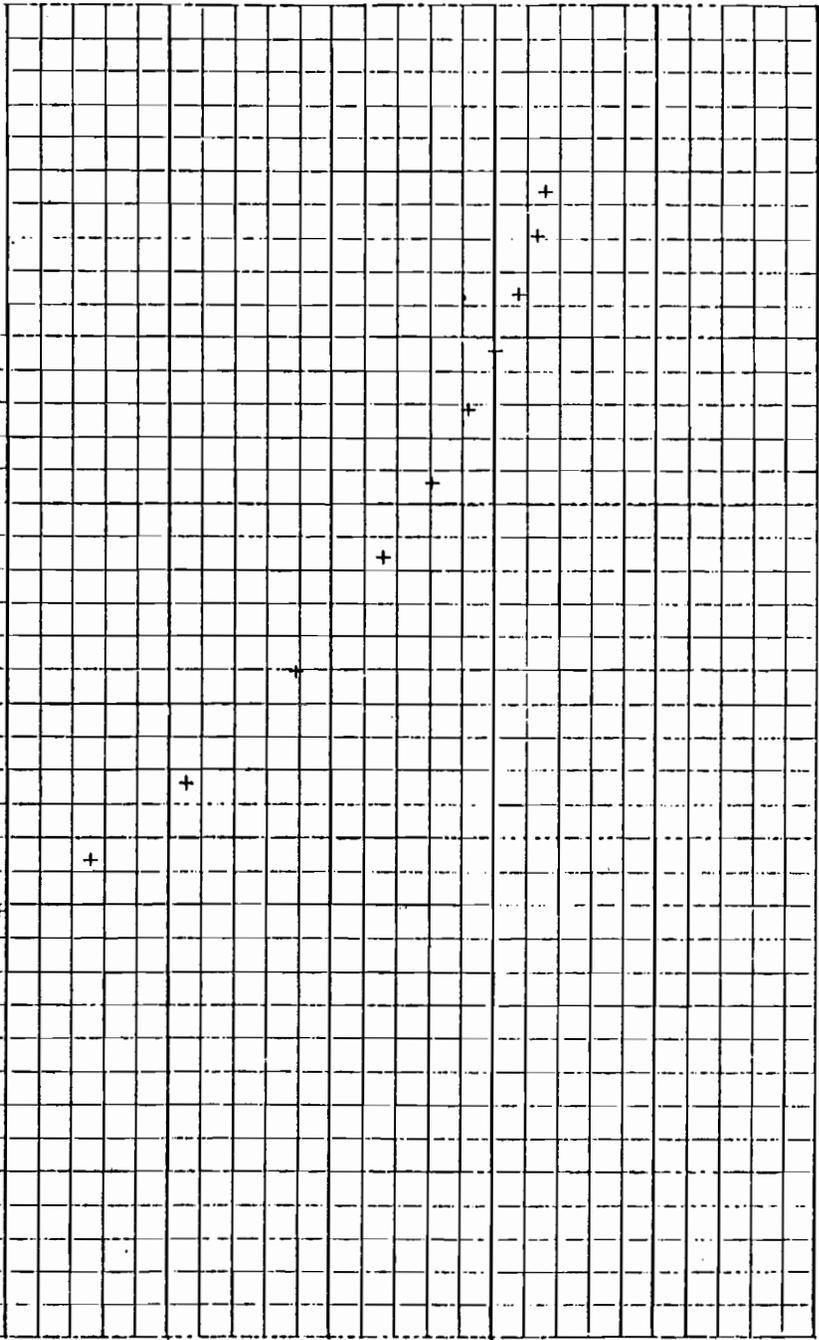
SHUTIN PRESSURE [PSIA]

400
350
300
250
200
150
100
50
0

1.00 0.90 0.80 0.70 0.60 0.50 0.40 0.30 0.20 0.10 0.00

LOG $\left[\frac{T_p + \Delta T}{\Delta T} \right]$

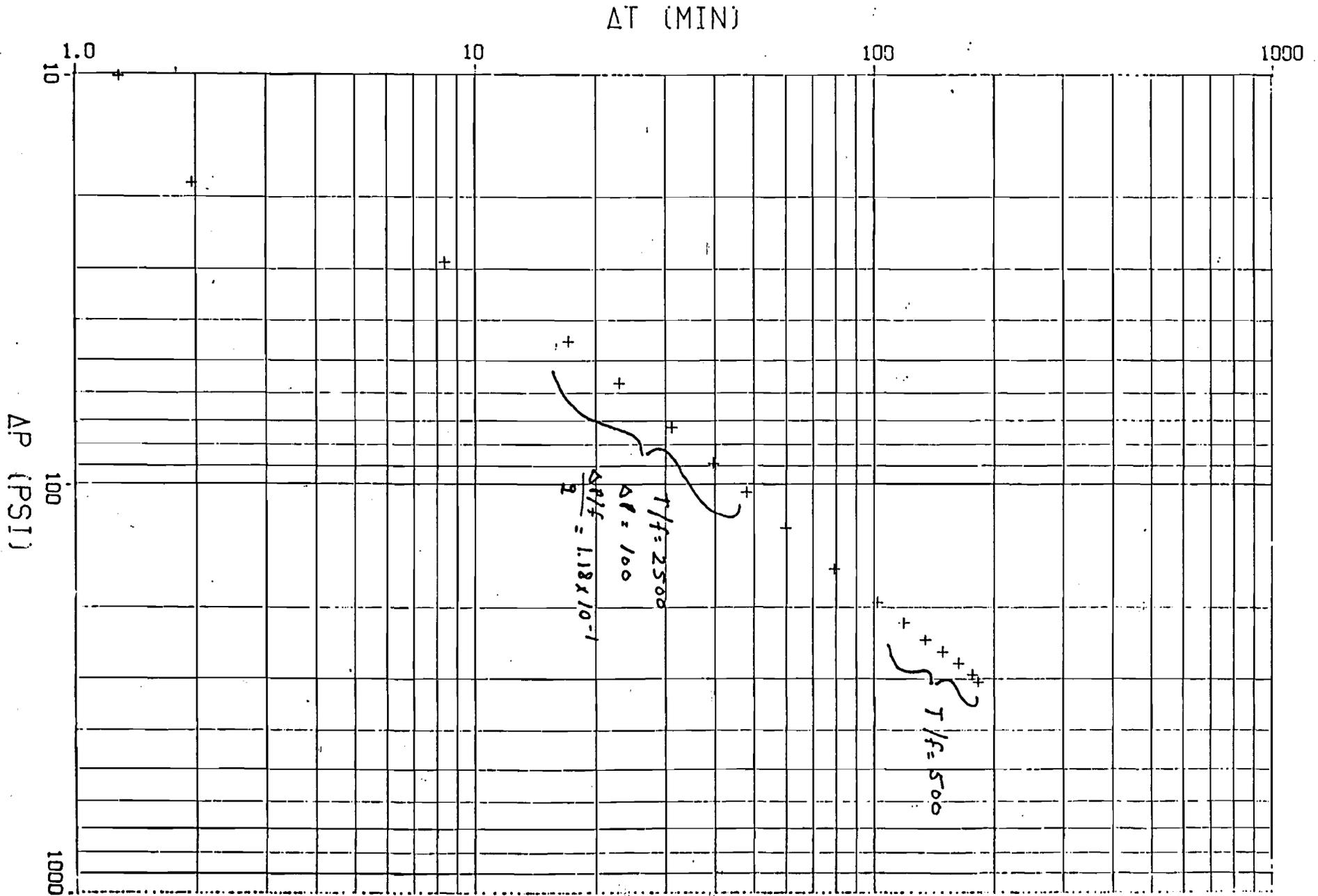
JOHNSTON-MACCO
SCHLUMBERGER



LOG LOG PLOT

COMPANY : SOUTHLAND ROYALTY COMPANY
 WELL : BURR DESERT #2
 FIELD REPORT NO. 34209E
 INSTRUMENT NO. J-1243

SHUTIN #2 :
 FINAL FLOW PRESSURE (P_{WF}): 39 PSIA
 PLOT ELAPSED TIME RANGE: 156.3 TO 337.0 MIN
 PLOT ΔT TIME RANGE: 1.3 TO 182.1 MIN



JOHNSTON-MCCOY
 SCHLUMBERGER

 * TEST TICKET DATA PRINTOUT *

WELL IDENTIFICATION

1. WELL	:	BURR DESERT #2
2. COMPANY	:	SOUTHLAND ROYALTY COMPANY
3.	:	P.O. DRAWER 570
4.	:	FARMINGTON, NEW MEXICO 87401
5. CUSTOMER	:	SAME
6.	:	
7.	:	
8. FIELD	:	WILDCAT
9. COUNTY	:	WAYNE
10. STATE/PROV.	:	UTAH
11. LOCATION	:	SEC. 21, T30S R12E
12. TECHNICIAN	:	ROSENBERG (VERNAL)
13. TEST APPROVED BY	:	MR. ROSS LANKFORD
14. TEST DATE	:	10-25-81
15. DEPTH REFERENCE	:	KELLY BUSHING
16. DEPTH REFERENCE ELEVATION	:	S.L. 4863. FT

HOLE INFORMATION

1. THE HOLE IS STRAIGHT.	
2. TOTAL DEPTH	: 2548. FT
3. OPEN HOLE DIAMETER	: 9.87 IN

MUD INFORMATION

1. MUD TYPE	:	LIGHTLY TREATED
2. MUD WEIGHT	:	9.0 LB/GAL
3. MUD VISCOSITY	:	36-38 MARSH FUNNEL SEC
4. CORRECTED WATER LOSS	:	6.4 CC/30 MIN
5. MUD RESISTIVITY	:	1.90 OHM-M
6. MUD RES. MEAS. TEMP.	:	54.0 DEG F
7. MUD FILTRATE RESISTIVITY	:	2.00 OHM-M
8. MUD FILT. RES. MEAS. TEMP.	:	53.0 DEG F
9. MUD CHLORIDES CONTENT	:	250.0 PPM BY WEIGHT

* TEST TICKET DATA PRINTOUT *

TEST INFORMATION

1. FIELD REPORT NUMBER : 34209E
2. TEST TYPE : M.F.E. OPEN HOLE
3. TEST NUMBER : 3
4. TELEFLOW IN USE ? : NO
5. SSSDR OR J-300 IN USE ? : NO
6. SPRO IN USE ? : NO
7. PTSOL IN USE ? : NO

TEST STRING INFORMATION

#	COMPONENT NAME	EFFECTIVE		FLOW PATH LENGTH (FT)	J/M CODE
		I.D. (IN)	O.D. (IN)		
1	DRILL PIPE	3.80	4.50	1940.	
2	DRILL COLLARS	2.25	6.75	412.	
3	TEST TOOL STRING	0.68	5.00	196.	

TEST STRING PLACEMENT

1. TEST TYPE CODE 1 - ON BOTTOM
2. PACKER DEPTHS : 2415. FT & 2420. FT

TEST ZONE DESCRIPTION

	FORMATION NAME	TOP (FT)	BOTTOM (FT)	PRODUCTION ZONE	
				THICKNESS (FT)	POROSITY (%)
1	SINBAD			128.	>5.

TEST CONDITIONS

1. BOTTOMHOLE CHOKE(S) EFF. INTERNAL DIA. : 0.68 IN

 * TEST TICKET DATA PRINTOUT *

TEST TOOL SAMPLE CHAMBER RECOVERY DATA

SAMPLE PRESSURE : PSIG
 OIL GRAVITY : DEG. API @ DEG F
 GAS/OIL RATIO : FT3/BBL
 GAS/LIQUID RATIO : FT3/BBL

SAMPLE CHAMBER CONTENTS

FLUID	VOLUME	RESISTIVITY		CHLORIDES
GAS	FT3			
OIL	CC			
WATER	CC	DHM-M @	DEG F	PPM
MUD	1150.0 CC	1.90 DHM-M @	42.0 DEG F	250 PPM
TOTAL LIQUID	1150.0 CC			

RECOVERY INFORMATION

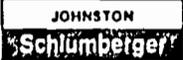
DESCRIPTION	FEET	% OIL	% H2O	% OTH	API DEG.	RESISTIVITY DHM-M	CHL PPM
1 DRILLING FLUID	30				DEG.F	42	250.

SURFACE INFORMATION

DESCRIPTION	TIME	PRESSURE	CHOKESIZE
1 SET PACKER (10-25-81)	1956	-	-
2 OPENED TOOL	2000	-	1/4"
3 SURFACE BUBBLES		-	"
4 BLOW DIED	2007	-	"
5 CLOSED FOR INITIAL SHUT-IN	2030	-	"
6 FINISHED SHUT-IN	2132	-	"
7 RE-OPENED TOOL	2136	-	"
8 NO BLOW		-	"
9 NO BLOW FOR DURATION OF TEST		-	"
10 CLOSED FOR FINAL SHUT-IN	2236	-	"
11 FINISHED SHUT-IN (10-26-81)	0137	-	"
12 PULLED PACKER LOOSE	0143	-	-

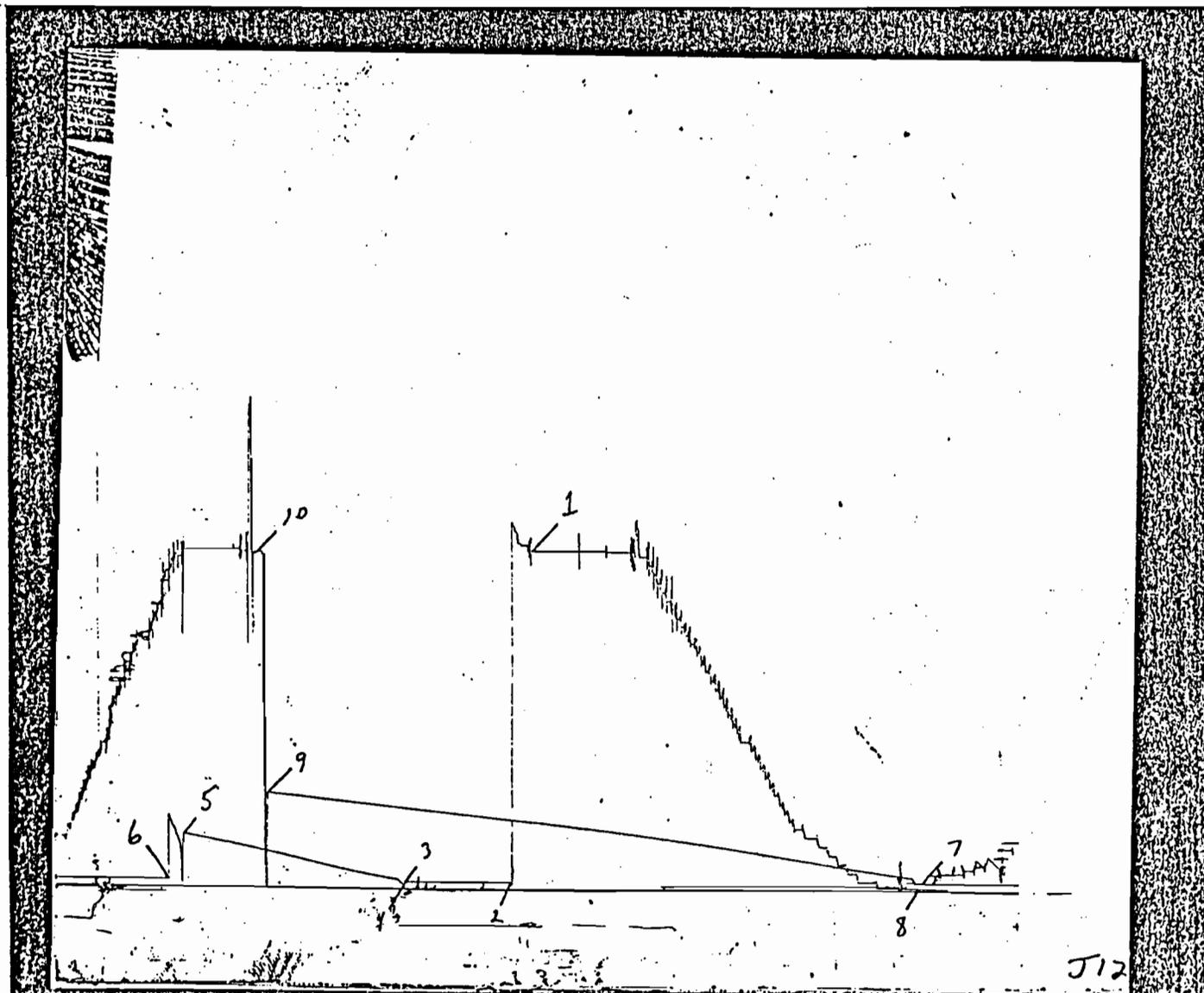
FIELD REPORT NO.: 34209 E

CAPACITY: 2800#



INSTRUMENT NO.: J-1243

NUMBER OF REPORTS: 13



BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 34209E

COMPANY : SOUTHLAND ROYALTY COMPANY

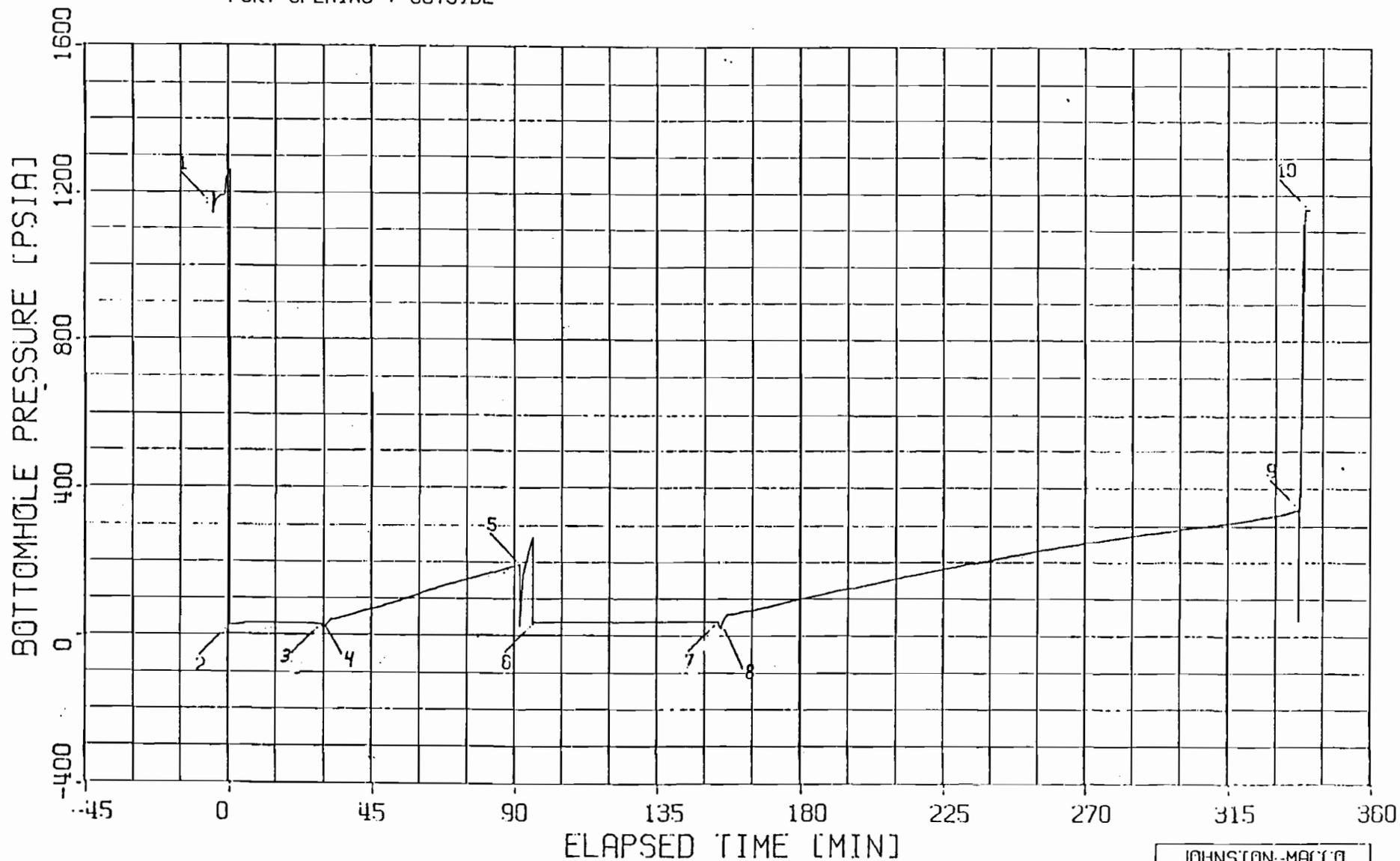
INSTRUMENT NO. J-1243

WELL : BURR DESERT #2

DEPTH : 2430 FT

CAPACITY : 2800 PSI

PORT OPENING : OUTSIDE



JOHNSTON-MACCO
SCHLUMBERGER

 * WELL TEST DATA PRINTOUT *

FIELD REPORT # : 34209E

COMPANY : SOUTHLAND ROYALTY COMPANY
 WELL : BURR DESERT #2

INSTRUMENT # : J-1243
 CAPACITY [PSI] : 2800.
 DEPTH [FT] : 2430.0
 PORT OPENING : OUTSIDE
 TEMPERATURE [DEG F] : 85.0

LABEL POINT INFORMATION

#	TIME OF DAY HH:MM:SS	DATE DD-MM	EXPLANATION	ELAPSED TIME,MIN	BOT HOLE PRESSURE PSIA
1	19:54:19	25-0C	HYDROSTATIC MUD	-5.68	1170.35
2	20: 0: 0	25-0C	START FLOW	0.00	26.96
3	20:29: 0	25-0C	END FLOW	29.00	31.93
4	20:29:31	25-0C	START SHUT-IN	29.52	20.52
5	21:31:23	25-0C	END SHUT-IN	91.38	192.14
6	21:36: 6	25-0C	START FLOW	96.10	35.73
7	22:34: 7	25-0C	END FLOW	154.12	39.23
8	22:34:59	25-0C	START SHUT-IN	154.98	20.52
9	1:37: 2	26-0C	END SHUT-IN	337.03	344.01
10	1:40: 8	26-0C	HYDROSTATIC MUD	340.13	1161.29

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME,MIN	END ELAPSED TIME,MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA
1	0.00	29.00	29.00	26.96	31.93
2	96.10	154.12	58.02	35.73	39.23

SUMMARY OF SHUTIN PERIODS

PERIOD	START ELAPSED TIME,MIN	END ELAPSED TIME,MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLOW PRESSURE PSIA	PRODUCING TIME, MIN
1	29.52	91.38	61.86	20.52	192.14	31.93	29.00
2	154.98	337.03	182.05	20.52	344.01	39.23	87.02

TEST PHASE : FLOW PERIOD # 1

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MM	*****	*****	*****
20: 0: 0	25-0C	0.00	0.00	26.96
20: 5: 0	25-0C	5.00	5.00	31.48
20:10: 0	25-0C	10.00	10.00	33.68
20:15: 0	25-0C	15.00	15.00	33.68
20:20: 0	25-0C	20.00	20.00	33.68
20:25: 0	25-0C	25.00	25.00	32.86
20:29: 0	25-0C	29.00	29.00	31.93

TEST PHASE : SHUTIN PERIOD # 1
 FINAL FLOW PRESSURE [PSIA] = 31.93
 PRODUCING TIME [MIN] = 29.00

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****
20:29:31	25-0C	29.52	0.00	20.52	-11.41	
20:30:31	25-0C	30.52	1.00	29.39	-2.54	1.477
20:31:31	25-0C	31.52	2.00	38.25	6.32	1.190
20:32:31	25-0C	32.52	3.00	44.16	12.23	1.028
20:33:31	25-0C	33.52	4.00	46.60	14.67	0.916
20:34:31	25-0C	34.52	5.00	49.03	17.10	0.833
20:35:31	25-0C	35.52	6.00	51.47	19.54	0.766
20:36:31	25-0C	36.52	7.00	53.91	21.98	0.711
20:37:31	25-0C	37.52	8.00	56.34	24.41	0.665
20:38:31	25-0C	38.52	9.00	58.78	26.85	0.626
20:39:31	25-0C	39.52	10.00	61.21	29.28	0.591
20:41:31	25-0C	41.52	12.00	66.09	34.16	0.534
20:43:31	25-0C	43.52	14.00	70.96	39.03	0.487
20:45:31	25-0C	45.52	16.00	75.83	43.90	0.449
20:47:31	25-0C	47.52	18.00	80.70	48.77	0.417
20:49:31	25-0C	49.52	20.00	85.58	53.65	0.389
20:51:31	25-0C	51.52	22.00	90.45	58.52	0.365
20:53:31	25-0C	53.52	24.00	95.32	63.39	0.344
20:55:31	25-0C	55.52	26.00	101.05	69.12	0.325
20:57:31	25-0C	57.52	28.00	107.06	75.13	0.309
20:59:31	25-0C	59.52	30.00	113.07	81.14	0.294
21: 4:31	25-0C	64.52	35.00	127.48	95.55	0.262
21: 9:31	25-0C	69.52	40.00	140.78	108.85	0.237
21:14:31	25-0C	74.52	45.00	152.98	121.05	0.216
21:19:31	25-0C	79.52	50.00	164.69	132.76	0.199
21:24:31	25-0C	84.52	55.00	176.89	144.96	0.184
21:29:31	25-0C	89.52	60.00	188.59	156.66	0.171
21:31:23	25-0C	91.38	61.86	192.14	160.21	0.167

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME,MIN	DELTA TIME,MIN	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MM	*****	*****	*****
21:36:	6 25-DC	96.10	0.00	35.73
21:41:	6 25-DC	101.10	5.00	36.05
21:46:	6 25-DC	106.10	10.00	36.37
21:51:	6 25-DC	111.10	15.00	36.69
21:56:	6 25-DC	116.10	20.00	37.06
22: 1:	6 25-DC	121.10	25.00	37.44
22: 6:	6 25-DC	126.10	30.00	37.82
22:11:	6 25-DC	131.10	35.00	38.19
22:16:	6 25-DC	136.10	40.00	38.57
22:21:	6 25-DC	141.10	45.00	38.95
22:26:	6 25-DC	146.10	50.00	39.23
22:31:	6 25-DC	151.10	55.00	39.23
22:34:	7 25-DC	154.12	58.02	39.23

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 39.23

PRODUCING TIME [MIN] = 87.02

TIME OF DAY	DATE	ELAPSED TIME,MIN	DELTA TIME,MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****
22:34:59	25-DC	154.98	0.00	20.52	-18.71	
22:35:59	25-DC	155.98	1.00	43.02	3.79	1.945
22:36:59	25-DC	156.98	2.00	57.73	18.50	1.648
22:37:59	25-DC	157.98	3.00	59.35	20.12	1.477
22:38:59	25-DC	158.98	4.00	60.97	21.74	1.357
22:39:59	25-DC	159.98	5.00	62.60	23.37	1.265
22:40:59	25-DC	160.98	6.00	64.22	24.99	1.190
22:41:59	25-DC	161.98	7.00	65.84	26.61	1.128
22:42:59	25-DC	162.98	8.00	67.46	28.23	1.075
22:43:59	25-DC	163.98	9.00	69.24	30.01	1.028
22:44:59	25-DC	164.98	10.00	71.11	31.88	0.987
22:46:59	25-DC	166.98	12.00	74.84	35.61	0.917
22:48:59	25-DC	168.98	14.00	78.57	39.34	0.858
22:50:59	25-DC	170.98	16.00	82.30	43.07	0.809
22:52:59	25-DC	172.98	18.00	86.15	46.92	0.766
22:54:59	25-DC	174.98	20.00	90.11	50.88	0.728
22:56:59	25-DC	176.98	22.00	94.08	54.85	0.695
22:58:59	25-DC	178.98	24.00	98.01	58.78	0.665
23: 0:59	25-DC	180.98	26.00	101.91	62.68	0.638
23: 2:59	25-DC	182.98	28.00	105.80	66.57	0.614
23: 4:59	25-DC	184.98	30.00	109.70	70.47	0.591
23: 9:59	25-DC	189.98	35.00	119.33	80.10	0.542
23:14:59	25-DC	194.98	40.00	128.91	89.68	0.502
23:19:59	25-DC	199.98	45.00	138.24	99.01	0.467
23:24:59	25-DC	204.98	50.00	147.66	108.43	0.438

TEST PHASE : SHUTIN PERIOD # 2
 FINAL FLOW PRESSURE [PSIA] = 39.23
 PRODUCING TIME [MIN] = 87.02

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
*****	*****	*****	*****	*****	*****	*****
23:29:59	25-0C	209.98	55.00	157.20	117.97	0.412
23:34:59	25-0C	214.98	60.00	166.70	127.47	0.389
23:39:59	25-0C	219.98	65.00	175.35	136.12	0.369
23:44:59	25-0C	224.98	70.00	184.00	144.77	0.351
23:49:59	25-0C	229.98	75.00	192.65	153.42	0.335
23:54:59	25-0C	234.98	80.00	201.10	161.87	0.320
23:59:59	25-0C	239.98	85.00	208.74	169.51	0.306
0: 4:59	26-0C	244.98	90.00	216.38	177.15	0.294
0: 9:59	26-0C	249.98	95.00	224.01	184.78	0.282
0:14:59	26-0C	254.98	100.00	231.65	192.42	0.272
0:19:59	26-0C	259.98	105.00	238.60	199.37	0.262
0:24:59	26-0C	264.98	110.00	245.25	206.02	0.253
0:29:59	26-0C	269.98	115.00	251.91	212.68	0.245
0:34:59	26-0C	274.98	120.00	258.70	219.47	0.237
0:39:59	26-0C	279.98	125.00	265.76	226.53	0.229
0:44:59	26-0C	284.98	130.00	272.82	233.59	0.223
0:49:59	26-0C	289.98	135.00	279.73	240.50	0.216
0:54:59	26-0C	294.98	140.00	285.89	246.66	0.210
0:59:59	26-0C	299.98	145.00	292.05	252.82	0.204
1: 4:59	26-0C	304.98	150.00	298.15	258.92	0.199
1: 9:59	26-0C	309.98	155.00	304.14	264.91	0.194
1:14:59	26-0C	314.98	160.00	310.13	270.90	0.189
1:19:59	26-0C	319.98	165.00	316.44	277.21	0.184
1:24:59	26-0C	324.98	170.00	323.15	283.92	0.180
1:29:59	26-0C	329.98	175.00	329.86	290.63	0.175
1:34:59	26-0C	334.98	180.00	339.71	300.48	0.171
1:37: 2	26-0C	337.03	182.05	344.01	304.78	0.170

Aztec Well
 Contractor Servicing
 Rig No. 171
 Spot NE-NW
 Sec. 21
 Twp. 30S
 Rng. 12E
 Field Wildcat
 County Wayne
 State Utah
 Elevation 4851' Ground
 Formation Desert Creek

Top Choke 1/4"
 Bottom Choke 9/16"
 Size Hole 7 7/8"
 Size Rat Hole 7 7/8"
 Size & Wt. D. P. 4 1/2" 16.60
 Size Wt. Pipe --
 I. D. of D. C. 2 1/4"
 Length of D. C. 406'
 Total Depth 5144'
 Interval Tested 5083'-5144'
 Type of Test Bottom Hole
Conventional

Flow No. 1 30 Min.
 Shut-in No. 1 75 Min.
 Flow No. 2 120 Min.
 Shut-in No. 2 180 Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.

Bottom Hole Temp. 96°F
 Mud Weight 9.1
 Gravity --
 Viscosity 37

Tool opened @ 3:32am

Inside Recorder

PRD Make Kuster AK-1
 No. 3697 Cap. 3700+ @ 5067'

	Press	Corrected
Initial Hydrostatic	A	2407
Final Hydrostatic	K	2404
Initial Flow	B	220
Final Initial Flow	C	782
Initial Shut-in	D	1763
Second Initial Flow	E	843
Second Final Flow	F	1600
Second Shut-in	G	1766
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Rock Springs, WY
 Our Tester: Jerry S. Gorden
 Witnessed By Ross Lankford

Did Well Flow - Gas No Oil No Water No

RECOVERY IN PIPE:

3596' Total Fluid
 558' Mud cut water = 7.92 bbl.
 3032' Salt water = 39.33 bbl.
 6' Drilling Mud = .03 bbl.

Top Sample R.W.: .36 @ 64°F = 18500 ppm. Cl.
 Middle Sample R.W.: .28 @ 64°F = 19,000 ppm. Cl.
 Bottom Sample R.W.: .04 @ 64°F = 200,000+ ppm. Cl.

Blow Description:

1st Flow: Tool opened with 1/2" underwater blow; increased to bottom of bucket in 2 minutes; increasing to 3 psi. at end of flow period.
 2nd Flow: Tool opened with 1/2" underwater blow; increased to bottom of bucket in 3 minutes; increasing to 3 psi. in 45 minutes; decreased to 1/2 psi. at end of flow period.

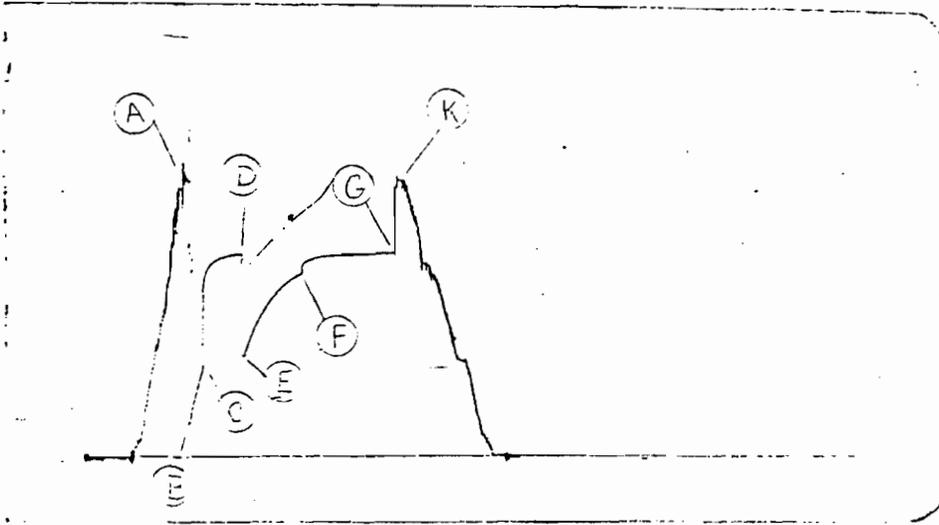
Operator: **Southeast Royalty Company**
 Address: **See Distribution**
 Well Name and No.: **Burr Desert #2**
 Ticket No.: **28179**
 Date: **11-13-81**
 No. Final Copies: **11**
 DST No.: **4**

LYNES, INC.

Southland Royalty Company
Operator

Burr Desert #2
Well Name and No.

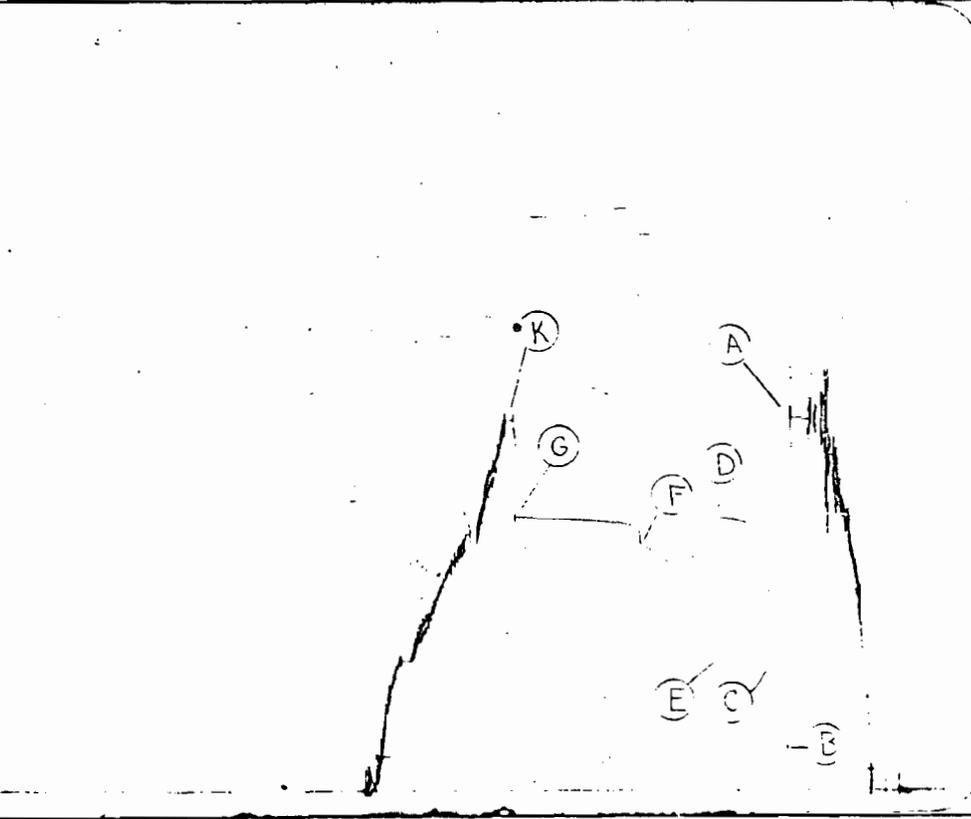
4
DST No.



Inside Recorder

PRD Make Kuster K-3
No. 7653 Cap. 4000 @ 5091'

	Press	Corrected
Initial Hydrostatic	A	2423
Final Hydrostatic	K	2396
Initial Flow	B	265
Final Initial Flow	C	768
Initial Shut-in	D	1765
Second Initial Flow	E	877
Second Final Flow	F	1595
Second Shut-in	G	1763
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
Pressure Below Bottom Packer Bled To		



Outside Recorder

PRD Make Kuster AK-1
No. 2559 Cap. 5050 @ 5108'

	Press	Corrected
Initial Hydrostatic	A	2456
Final Hydrostatic	K	2435
Initial Flow	B	273
Final Initial Flow	C	801
Initial Shut-in	D	1800
Second Initial Flow	E	884
Second Final Flow	F	1635
Second Shut-in	G	1799
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
Pressure Below Bottom Packer Bled To		

W^r NAME: BURR DESERT #2

DST NUMBER: 004

RECORDER NUMBER: 003697

INTERVAL TESTED: 5083FT TO 5144FT

RECORDER DEPTH: 5067.000FT

TOTAL FLOW TIME: 30.0MIN

FIRST SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	782.0
1.0	31.0000	1518.0
2.0	16.0000	1536.0
3.0	11.0000	1563.0
4.0	8.5000	1580.0
5.0	7.0000	1593.0
6.0	6.0000	1606.0
7.0	5.2857	1617.0
8.0	4.7500	1627.0
9.0	4.3333	1636.0
10.0	4.0000	1644.0
12.0	3.5000	1658.0
14.0	3.1429	1667.0
16.0	2.8750	1677.0
18.0	2.6667	1688.0
20.0	2.5000	1695.0
22.0	2.3636	1702.0
24.0	2.2500	1708.0
26.0	2.1538	1713.0
28.0	2.0714	1716.0
30.0	2.0000	1721.0
40.0	1.7500	1737.0
50.0	1.6000	1747.0 *
60.0	1.5000	1754.0 *
70.0	1.4286	1760.0 *
75.0	1.4000	1763.0 *

* VALUES USED IN HORNER ANALYSIS

SLOPE: 273.55661 PSI/CYCLE

EXTRAPOLATED PRESSURE: 1802.6 PSI

WELL NAME: BURR DESERT #2

DST NUMBER: 004

RECORDER NUMBER: 003697

INTERVAL TESTED: 5083FT TO 5144FT

RECORDER DEPTH: 5067.000FT

TOTAL FLOW TIME: 150.0MIN

SECOND SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI) /PHI	PRESSURE (PSI)
.0	.0000	1600.0
1.0	151.0000	1658.0
2.0	76.0000	1673.0
3.0	51.0000	1680.0
4.0	38.5000	1687.0
5.0	31.0000	1691.0
6.0	26.0000	1694.0
7.0	22.4286	1698.0
8.0	19.7500	1700.0
9.0	17.6667	1703.0
10.0	16.0000	1704.0
12.0	13.5000	1709.0
14.0	11.7143	1713.0
16.0	10.3750	1715.0
18.0	9.3333	1717.0
20.0	8.5000	1720.0
22.0	7.8182	1723.0
24.0	7.2500	1725.0
26.0	6.7692	1727.0
28.0	6.3571	1728.0
30.0	6.0000	1729.0
60.0	3.5000	1744.0
90.0	2.6667	1752.0
120.0	2.2500	1761.0 *
150.0	2.0000	1764.0 *
180.0	1.8333	1766.0 *

* VALUES USED IN HORNER ANALYSIS

SLOPE; 56.35716 PSI/CYCLE

EXTRAPOLATED PRESSURE: 1780.9 PSI

HORNER PLOT

TEST DATE: 11.13.81

WELL NAME: BURR DESERT #2

LOCATION:

DST-NO: 004

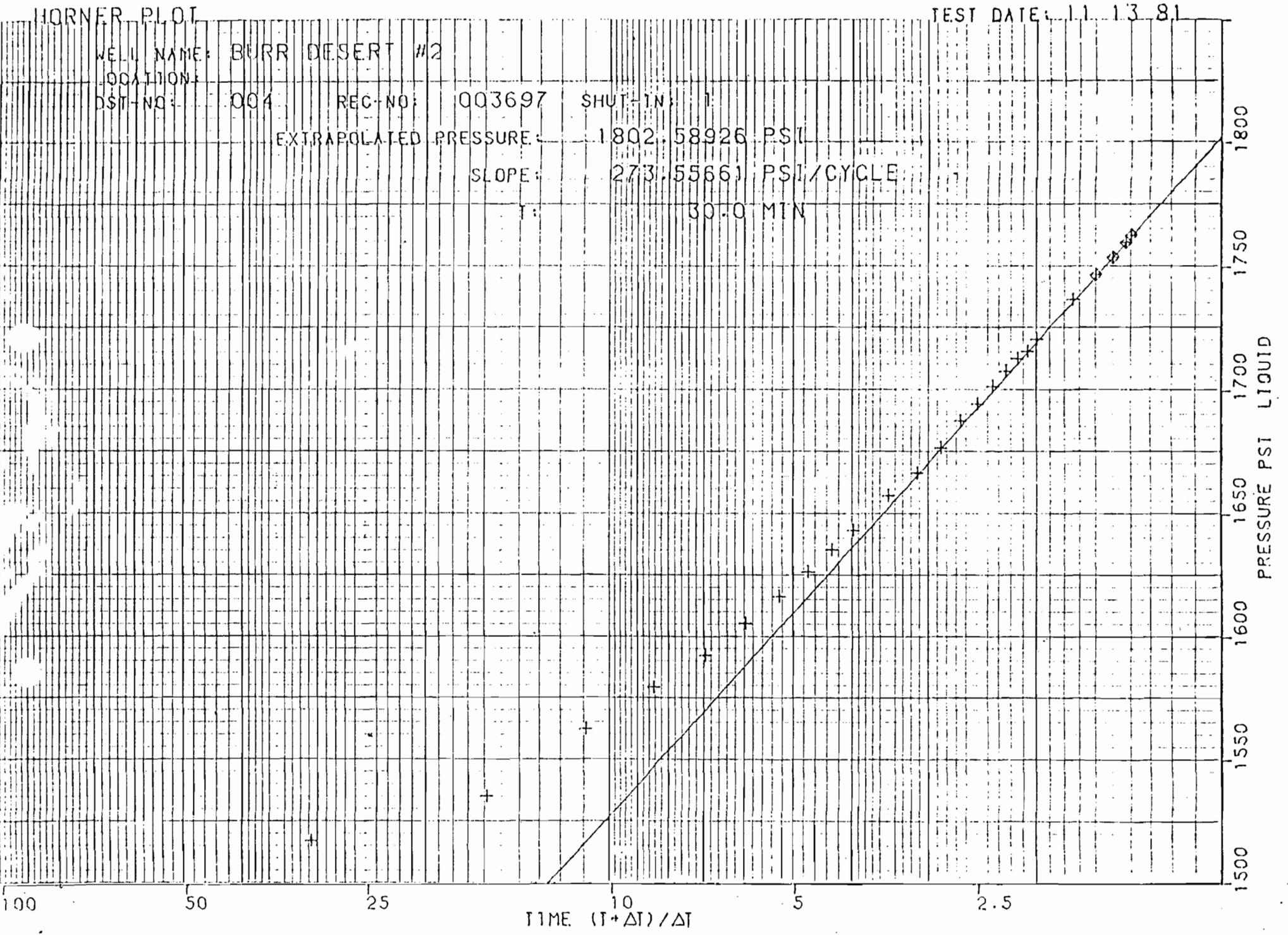
REC-NO: 003697

SHUT-IN: 1

EXTRAPOLATED PRESSURE: 1802.58926 PSI

SLOPE: 273.55661 PSI/CYCLE

T: 30.0 MIN



HORNER PLOT

TEST DATE: 11 13 81

WELL NAME: BURR DESERT #2

LOCATION:

DST-NO: 004

REC-NO: 003697

SHUT-IN: 2

EXTRAPOLATED PRESSURE: 1780.88272 PSI

SLOPE: 56.35716 PSI/CYCLE

150.0 MIN

1950
1900
1850
1800
1750
1700
1650
PRESSURE PSI LIQUID

TIME $(t+\Delta t)/\Delta t$

00

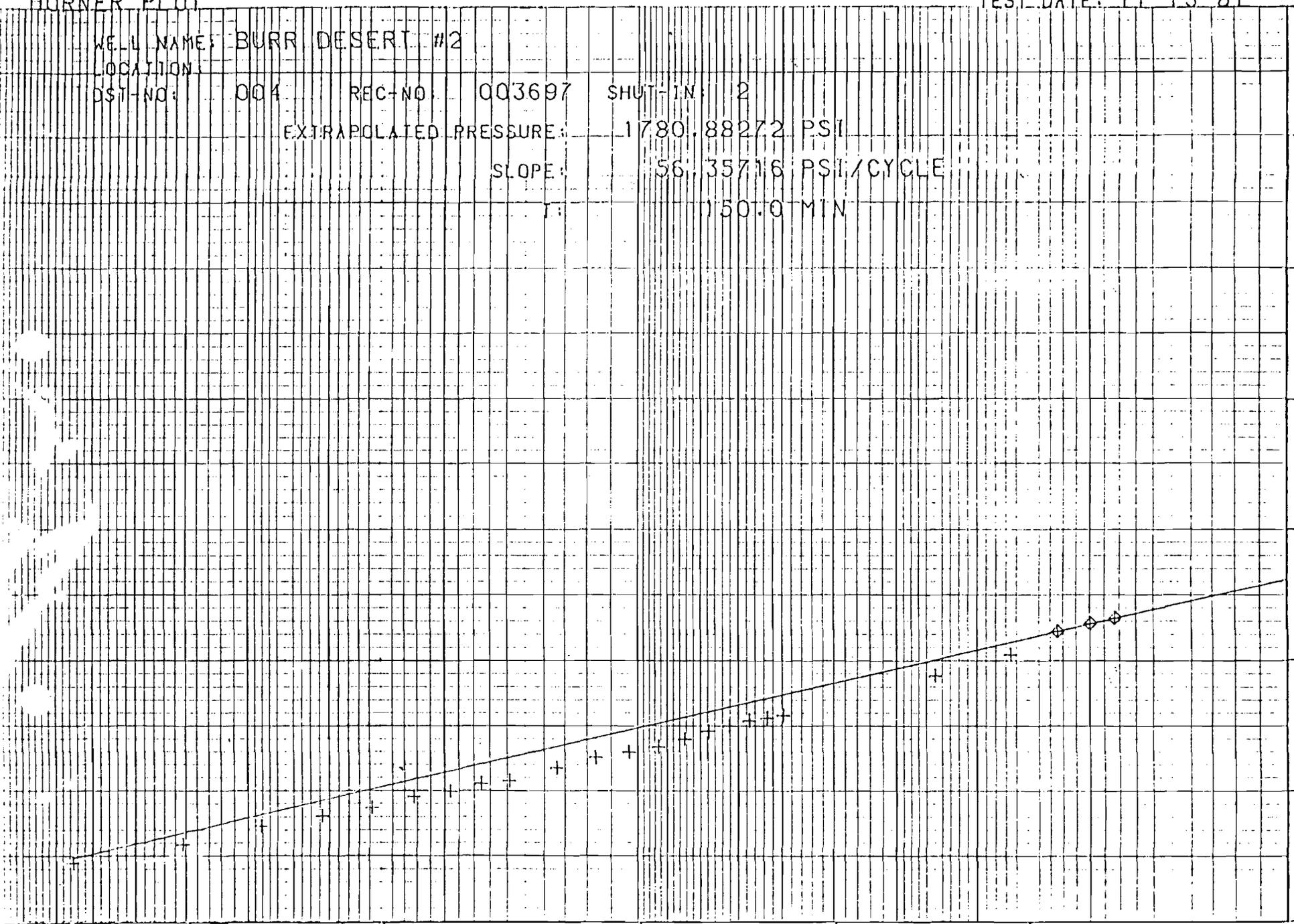
50

25

10

5

2.5



LYNES, INC.

Sampler Report

Company Southland Royalty Company Date 11-13-81
Well Name & No. Burr Desert #2 Ticket No. 28179
County Wayne State Utah
Test Interval 5083'-5144' DST No. 4

Total Volume of Sampler: 2150 cc.

Total Volume of Sample: 2100 cc.

Pressure in Sampler: 300 psig

Oil: None cc.

Water: 2100 Salt water cc.

Mud: None cc.

Gas: None cu. ft.

Other: None

Sample R.W.: .2 @ 63° F = 39,000 ppm. Cl.

Resistivity

Make Up Water 10 @ 51° F of Chloride Content 715 ppm.

Mud Pit Sample .85 @ 54° F of Chloride Content 8200 ppm.

Gas/Oil Ratio _____ Gravity _____ °API @ _____ °F

Where was sample drained On Location

Remarks: _____

PRELIMINARY REPORT

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PAGE NO. 1

SOUTHLAND ROYALTY COMPANY
BURR DESERT NO. 2
WILDCAT
WAYNE COUNTY

FORMATION : DESERT CREEK
DRLG. FLUID: N.B. MUD
LOCATION : NE 1/4 SEC. 21-30 S-12E
STATE : UTAH

DATE : 11-13-81
FILE NO. : R-3-3162
ANALYSTS : GGDS
ELEVATION: 4851GL

WHOLE CORE ANALYSIS

SAMP. NO.	DEPTH	PERM. TO AIR (MD) MAX.	AIR (MD) 90 DEG.	POR. FLD.	FLUID OIL	SATS. WATER	GR. DNS.	DESCRIPTION
1	5085-86	0.24	*	8.6	0.0	77.4		LM-LT GRY, VF XLN, SL/VJG-PP
2	5086-87	0.23	0.05	2.2	0.0	48.1		LM-LT GRY, VF XLN VF
3	5087-88	0.03	*	2.0	0.0	52.1		LM-LT GRY, VF XLN VF
4	5088-89	0.58	0.14	2.0	0.0	67.2		LM-GRY/BRN, VF XLN, DOL, STY
5	5089-90	0.18	0.16	3.6	0.0	72.1		LM-GRY/BRN, VF XLN, DOL, CAL, STY
6	5090-91	15	1.0	3.9	0.0	69.7		LM-GRY, VF XLN, CAL
7	5091-92	<0.01	*	5.4	0.0	49.8		LM-GRY, VF XLN, SL/VJG VF
8	5092-93	0.06	0.05	1.6	0.0	40.5		LM-GRY, VF XLN, SL/VJG
9	5093-94	0.73	0.20	4.7	0.0	61.6		LM-GRY, VF XLN, SL/VJG VF
10	5094-95	2.1	1.4	5.1	0.0	68.8		LM-GRY, VF XLN, SL/VJG
11	5095-96	1.1	0.20	3.1	0.0	68.4		LM-GRY, VF XLN, SL/VJG, STY
12	5096-97	0.33	0.32	5.4	0.0	72.3		LM-GRY, VF XLN, SL/VJG, STY
13	5097-98	0.15	0.10	3.2	0.0	58.0		LM-GRY, VF XLN, SL/VJG, STY
14	5098-99	0.09	0.05	2.3	0.0	75.3		LM-GRY, VF XLN, SL/VJG, STY
15	5099-0	0.01	*	13.9	0.0	84.2		LM-GRY, VF XLN, SL/VJG, STY
16	5100-1	1.1	0.71	7.4	0.0	86.2		DOL-BRN, RTHY, CAL
17	5101-2	0.13	0.08	6.1	0.0	77.3		DOL-BRN, RTHY, CAL
18	5102-3	0.07	<0.01	0.8	0.0	27.9		LM-GRY, VF XLN
19	5103-4	<0.01	*	1.6	0.0	13.8		LM-GRY, VF XLN
20	5104-5	<0.01	*	0.5	0.0	45.0		LM-GRY, VF XLN
21	5105-6	<0.01	*	2.6	0.0	80.0		LM-GRY, VF XLN
22	5106-7	0.88	0.46	4.1	0.0	75.9		LM-GRY, VF XLN, SL/VJG
23	5107-8	9.7	0.13	0.8	0.0	27.5		LM-GRY, VF XLN, STY VF
24	5108-9	0.64	*	7.0	0.0	81.4		LM-GRY, VF XLN, STY
25	5109-10	1.4	1.0	0.8	0.0	78.6		LM-GRY, VF XLN, SL/VJG

* SAMPLE NOT SUITABLE FOR WHOLE CORE ANALYSIS

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

SOUTHLAND ROYALTY COMPANY
 BJRR DESERT NO. 2
 WILDCAT
 WAYNE COUNTY

FORMATION : DESERT CREEK
 DRUG. FLUID: N.R. MJD
 LOCATION : NE 1/4 SEC. 21-30S-12E
 STATE : UTAH

DATE : 11-13-81
 FILE NO. : RP-3-3162
 ANALYSTS : GGDG
 ELEVATION: 4851 64

WHOLE CORE ANALYSIS

SAMP. NO.	DEPTH	PERM. TO AIR (MD) MAX.	90 DEG.	POR. FLD.	FLUID OIL	SATS. WATER	GR. DNS.	DESCRIPTION
26	5110-11	20	*	11.4	0.0	84.3		LM-LT GRY, VF XLN, SL/V JG-00
27	5111-12	33	*	11.5	0.0	81.1		LM-LT GRY, VF XLN, SL/V JG-00
28	5112-13	0.35	0.25	8.9	0.0	84.6		LM-LT GRY, VF XLN, SL/V JG-00
29	5113-14	6.3	*	10.5	0.0	83.2		LM-LT GRY, VF XLN, SL/V JG-00
30	5114-15	1.8	*	11.7	0.0	84.5		LM-LT BRN, VF XLN, SL/V JG-00
31	5115-16	19	7.6	12.4	0.0	76.0		LM-LT BRN, VF XLN, SL/V JG-00
32	5116-17	8.3	7.5	12.4	0.0	76.0		LM-LT BRN, VF XLN, SL/V JG-00
33	5117-18	7.5	*	14.2	0.0	75.4		LM-LT BRN, VF XLN, SL/V JG-00
34	5118-19	12	2.4	12.7	0.0	81.3		LM-LT BRN, VF XLN, SL/V JG-00
35	5119-20	49	*	16.3	0.0	79.7		LM-LT BRN, VF XLN, SL/V JG-00
36	5120-21	11	0.12	10.6	0.0	84.4		LM-LT BRN, VF XLN, SL/V JG-00 VF
37	5121-22	0.97	0.48	11.2	0.0	82.8		LM-LT BRN, VF XLN, SL/V JG-00, STY
38	5122-23	0.01	*	11.4	0.0	76.7		LM-LT BRN, VF XLN, SL/V JG-00 VF
39	5123-24	4.2	0.74	14.5	0.0	81.1		LM-LT BRN, VF XLN, SL/V JG-00 VF
40	5124-25	1.4	0.27	17.0	0.0	86.1		LM-LT BRN, VF XLN, SL/V JG-00
41	5125-26	3.1	*	17.0	0.0	87.9		LM-LT BRN, VF XLN, SL/V JG-00
42	5126-27	2.9	*	19.2	0.0	87.7		LM-LT BRN, VF XLN, SL/V JG-00
43	5127-28	18	0.23	16.0	0.0	94.8		LM-LT BRN, VF XLN, SL/V JG-00
44	5128-29	13	4.5	17.1	0.0	79.0		LM-LT BRN, VF XLN, SL/V JG-00
45	5129-30	0.84	0.72	11.0	0.0	74.5		LM-LT BRN, VF XLN, SL/V JG-00
46	5130-31	8.6	0.19	9.2	0.0	83.2		LM-LT BRN, VF XLN, SL/V JG-00
47	5131-32	6.4	3.9	15.0	0.0	84.9		LM-LT BRN, VF XLN, SL/V JG-00
48	5132-33	0.45	0.20	13.0	0.0	84.5		LM-LT BRN, VF XLN, SL/V JG-00
49	5133-34	0.62	0.54	14.8	0.0	84.5		LM-LT BRN, VF XLN, SL/V JG-00
50	5134-35	34	*	10.0	0.0	83.4		LM-LT BRN, VF XLN, SL/V JG-00

* SAMPLE NOT SUITABLE FOR WHOLE CORE ANALYSIS

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is made.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

SOUTHLAND ROYALTY COMPANY
 BURR DESERT NO. 2
 WILDCAT
 WAYNE COUNTY

FORMATION : DESERT CREEK
 DRLG. FLUID: N.B. MUD
 LOCATION : NE, NW SEC. 21-30S-12E
 STATE : UTAH

DATE : 11-13-81
 FILE NO. : RP-3-3162
 ANALYSTS : GGDS
 ELEVATION: 4851 GL

WHOLE CORE ANALYSIS

SAMP. NO.	DEPTH	PERM. TO AIR (MD) MAX. 90 DEG.	POR. FLD.	FLUID OIL	SATS. WATER	GR. DNS.	DESCRIPTION
51	5135-36	0.31	0.29	14.0	0.0	83.1	LM-LT BRN, VF XLN, SL/V JG-30
52	5136-37	19	7.6	18.7	0.0	83.8	LM-LT BRN, VF XLN, SL/V JG-30 VF
53	5137-38	<0.01	*	11.9	0.0	84.8	LM-LT BRN, VF XLN, SL/V JG-30
54	5138-39	0.09	*	18.2	0.0	83.6	LM-LT BRN, VF XLN, SL/V JG-30, R
	5139-5140						RUBBLE - NO ANALYSIS

* SAMPLE NOT SUITABLE FOR WHOLE CORE ANALYSIS
 R RUBBLE

0

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR

Southland Royalty Company

3. ADDRESS OF OPERATOR

P.O. Drawer 570, Farmington, New Mexico 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 850' FNL & 2420' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
PULL OR ALTER CASING
MULTIPLE COMPLETE
CHANGE ZONES
ABANDON*
(other)

5. LEASE
U-24926

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Burr Desert

9. WELL NO.
2

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 21, T30S, R12E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4851' GR

(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.)*

11-18-81 Spotted Plugs As Follows:

75 sacks Class "B" from 5196' to 5096'
83 sacks Class "B" from 3123' to 2923'
92 sacks Class "B" from 2505' to 2305'
92 sacks Class "B" from 1917' to 1717'
94 sacks Class "B" from 309' to 109'

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED R. E. Zilde TITLE District Engineer DATE November 19, 1981

(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**

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Southland Royalty Company

3. ADDRESS OF OPERATOR
P.O. Drawer 570, Farmington, New Mexico 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 850' FNL & 2420' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-24926

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Burr Desert

9. WELL NO.
2

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 21, T30S, R12E

12. COUNTY OR PARISH
Wayne

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4851' 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 checked="" type="checkbox"/>	<input type="checkbox"/>
(other)		

(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.)*

10-3/4" casing set in 13-1/2" hole at 196'
9-7/8" hole drilled to 3153'
7-7/8" hole drilled from 3153' to 5831'

Formation Tops:

Carmel	416'	Moenkopi	2115'
Navajo	488'	Sinbad	2372'
Kayenta	1188'	Kaibab	2440'
Wingate	1410'	White Rim	2567'
Chinle	1747'	Organ Rock	3039'
Shinarump	2018'	Cedar Mesa	3220'

See Backside

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED R. E. Fiddler TITLE District Engineer DATE November 19, 1981

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

(This space for Federal or State office use)

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

DATE: 12-29-81

BY: Original Signed by C. B. Falty

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

Formation Tops: (Cont'd)

Elephant Canyon	4070'
Hermosa	4539'
Ismay	4892'
Desert Creek	5038'
Akah	5208'
Barker Creek	5324'
Pinkerton Trail	5428'
Molas	5728'

Spot Plugs As Follows:

- #1 - 75 sacks Neat from 5000' to 5200'
- #2 - 83 sacks Neat from 2900' to 3100'
- #3 - 92 sacks Neat from 2300' to 2500'
- #4 - 92 sacks Neat from 1700' to 1900'
- #5 - 94 sacks Neat from 100' to 300'
- 10 sacks at surface with dry hole marker...

(Verbal approval from Assad Raffoul 3:40 P.M. 11-17-81)

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

MONTHLY REPORT
OF
OPERATIONS

Lease No. 71-0249
Communitization Agreement No. _____
Field Name Wildcat
Unit Name _____
Participating Area _____
County Wayne State Utah
Operator Southland Royalty Company
 Amended Report WELL NAME Burr Desert

The following is a correct report of operations and production (including status of all unplugged wells) for the month of October, 19 81

(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
2	21 NENW	30S	12E	DRG					Drilling.

RECEIVED
NOV 24 1981
DIVISION OF
OIL, GAS & MINING

*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	XXXXXXXXXXXXXXXXXX
*Produced	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Sold	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Used on Lease	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Injected	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Other (Identify)	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*On hand, End of Month	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX

Authorized Signature: [Signature] Address: P.O. Drawer 570, Farmington, N.M.
Title: District Production Manager Page 1 of 1 87401

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

3

5. LEASE DESIGNATION AND SERIAL NO.

U-24926

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Burr Desert

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Section 21, T30S, R12E

12. COUNTY OR PARISH

Wayne

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 Plugged & Abandoned

2. NAME OF OPERATOR

Southland Royalty Company

3. ADDRESS OF OPERATOR

P. O. Drawer 570, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with _____)

At surface 850' FNL & 2420' FWL

At top prod. interval reported below

At total depth

NE NW

RECEIVED
DEC 28 1981

14. PERMIT NO.

43-055-30031

DIVISION OF
GAS & MINING

8-14-81

15. DATE SPUNDED

9-29-81

16. DATE T.D. REACHED

11-15-81

17. DATE COMPL. (Ready to prod.)

P&A 11-18-81

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

4851' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5822'

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-5822

CABLE TOOLS

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

25. WAS DIRECTIONAL SURVEY MADE

Deviation

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL, FDC/CNL, BHC Sonic

27. WAS WELL CORED

Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"	65#	65'	24"	125 sacks (Conductor)	Pipe
10-3/4"	32,75#	196'	13-1/2"	175 sacks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
-----	-----	-----	-----	-----

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
-----	-----	-----

31. PERFORATION RECORD (Interval, size and number)

No Perforations

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
-----	-----

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
		P & A					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
NO TEST							
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

TITLE Dist. Prod. Manager

DATE November 30, 1981

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

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

RECEIVED
DEC 28 1981

DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Burr Desert #2
Operator Southland Royalty Company Address P.O. Drawer 570, Farmington, NM 87499-0
Contractor Aztec Well Service Address P.O. Box "B", Aztec, New Mexico 87410
Location NE 1/4 NW 1/4 Sec. 21 T. 30S R. 12E County Wayne

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	*** NO WATER ENCOUNTERED***			
2.				
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops

*****SEE OTHER SIDE*****

Remarks

Plugged and Abandoned on 11-18-81

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

FORMATION TOPS

<i>Carmel</i>	416'
<i>Navajo</i>	488'
<i>Kayenta</i>	1188'
<i>Wingate</i>	1410'
<i>Chinle</i>	1747'
<i>Shinarump</i>	2018'
<i>Moenkopi</i>	2115'
<i>Sinbad</i>	2372'
<i>Kaibab</i>	2440'
<i>White Rim</i>	2567'
<i>Organ Rock</i>	3039'
<i>Cedar Mesa</i>	3220'
<i>Elephant Canyon</i>	4070'
<i>Hermosa</i>	4539'
<i>Ismay</i>	4892'
<i>Desert Creek</i>	5038'
<i>Akah</i>	5208'
<i>Barker Creek</i>	5324'
<i>Pinkerton Trail</i>	5428'
<i>Molas</i>	5728'

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

MONTHLY REPORT
OF
OPERATIONS

Lease No. 71-0249
Communitization Agreement No. _____
Field Name Wildcat
Unit Name _____
Participating Area _____
County Wayne State Utah
Operator Southland Royalty Company
 Amended Report WELL NAME Burr Desert

The following is a correct report of operations and production (including status of all unplugged wells) for the month of November, 1981

(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
2	21 NENW	30S	12E	P&A					Installed Dry Hole Marker 11/18/81

RECEIVED
DEC 22 1981
DIVISION OF
OIL, GAS & MINING

*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	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: [Signature] Address: P.O. Drawer 570, Farmington, N.M.
Title: District Production Manager Page 1 of 1 87401



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

January 4, 1982

Southland Royalty Company
P. O. Box Drawer 570
Farmington, New Mexico 87499-0570

Re: Well No. Westwater Creek #1
Sec. 4, T. 38S, R. 22E
San Juan County, Utah

Well No. Burr Desert #2
Sec. 21, T. 30S, R. 12E
Wayne County, Utah

Gentlemen:

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

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

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist



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

January 13, 1982

Southland Royalty Company
P. O. Drawer 570
Farmington, New Mexico 87499-0570

Re: Well No. Burr Desert #2
Sec. 21, T. 30S, R. 12E
Wayne County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office November 30, 1981, from above referred to well, indicates the following electric logs were run: DIL, FDC/CNL, BHC Sonic. As of today's date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist