



Southland Royalty Company

June 2, 1982

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

RE: *Odysseus Federal #1-18*
630' FSL & 660' FEL
Section 18, T35S, R25E
San Juan County, Utah

Dear Sir:

Attached is the "Archaeological Report" on the subject well to be attached to the "Application for Permit to Drill" which was submitted on May 24, 1982.

If you need more information, please contact use.

Sincerely,

SOUTHLAND ROYALTY COMPANY

Esther J. Greyeyes
Secretary

Attachments

RECEIVED

JUN 07 1982

**DIVISION OF
OIL, GAS & MINING**

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.*)
 At surface *630' FSL & 660' FEL*
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
18 Miles Southeast of Monticello, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) *630'*

16. NO. OF ACRES IN LEASE
1789.68

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

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

19. PROPOSED DEPTH
5840'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6630' GR

22. APPROX. DATE WORK WILL START*
June 21, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#, H-40	100'	142 cu. ft. (Circulate to surface)
12-1/4"	9-5/8"	36#, K-55	750'	468 cu. ft. (Circulate to surface)
* 8-3/4"	5-1/2"	15.5#, K-55	2000'	358 cu. ft. (Lower stage to cover the top of Hermosa.) 470 cu. ft. (Upper stage to cover fr. Culter to top of Navajo.)
7-7/8"			5840'	

* 8-3/4" hole will be drilled into Chinle.
 This will allow setting 7" intermediate casing if necessary.

Surface formation is Morrison.
 Drill 17-1/2" conductor hole with spud mud and set 13-3/8" casing at 100', cement to surface.
 Drill 12-1/4" hole with benex and water and set 9-5/8" casing at 750', cement to surface.
 Drill 8-3/4" hole to 2000' with benex and water, reduce to 7-7/8". Drill to Total Depth.
 Mud up with low solids fresh water system as necessary.

****CONTINUED ON OTHER SIDE****

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 _____

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 FOR *E. W. GUYNN*
 APPROVED BY *[Signature]* TITLE *DISTRICT OIL & GAS SUPERVISOR* DATE *JUN 18 1982*

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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

NOTICE OF APPROVAL
[Signature]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Drill 8-3/4" hole to 2000' with benex and water, reduce to 7-7/8" casing at 5840'.
 Mud up with low solids fresh water system as necessary.

****CONTINUED ON OTHER SIDE****

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. Fildes* TITLE *District Engineer* DATE _____

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO.
U-47202

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Odysseus Federal

9. WELL NO.
1 - 18

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 18, T35S, R25E

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: *6/21/82*
 BY: *[Signature]*

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either Federal or State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form are contained in the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either as shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to re-fill to be same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 2: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local or Federal office for specific instructions.

Item 3: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the location of the well and the surveyed location of, this well, and any other required information, should be furnished when required by Federal or State agency offices.

Item 4: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 5: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

Log BOP check in daily drilling reports.

Core as necessary in Desert Creek, test all shows.

Run logs at Total Depth as outlined on attached schedule.

No abnormal pressures or poisonous gases are anticipated in this well.

It is expected that this well will be drilled before July 30, 1982. This depends on time required for approvals, rig availability and the weather.

Run 5-1/2" casing, set at 5840'. Slurry to be designed if casing is run. Will use 358 cu.ft. on lower stage to cover the top of the Hermosa and 470 cu.ft. on the upper stage to cover from Cutler to top of Navajo.

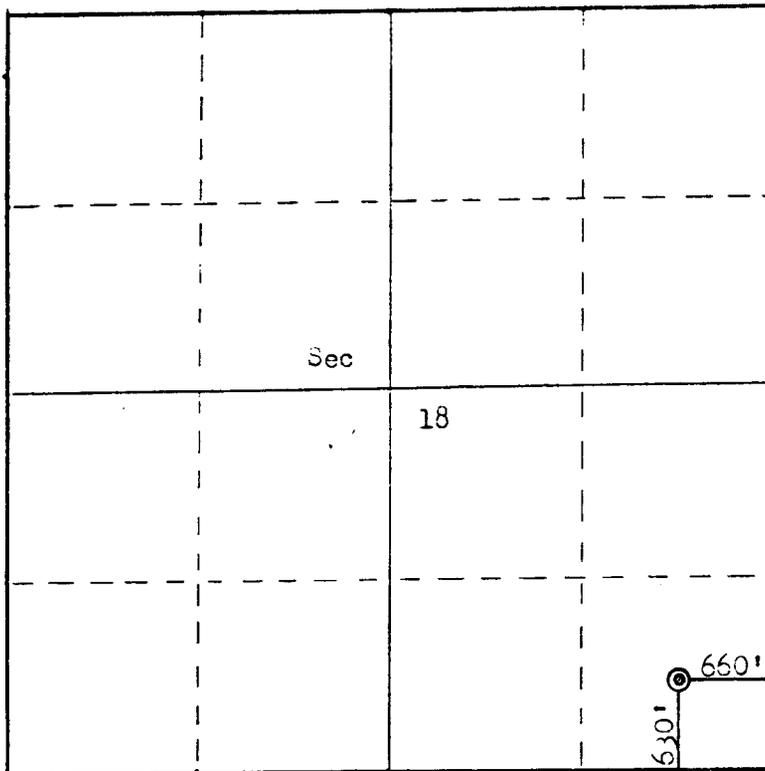
COMPANY Southland Royalty Company

LEASE Odysseus Federal WELL NO. #1-18

SEC. 18, T. 35S, R. 25E

LOCATION 630'FSL 660'FEL

ELEVATION 6630 Gr.



SCALE—4 INCHES EQUALS 1 MILE

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

Fred B. Kerr Jr.
Fred B. Kerr Jr.

SEAL:

#3950

Registered Land Surveyor.

SURVEYED May 18, 1982

FARMINGTON, N. M.

SOUTHLAND ROYALTY COMPANY - DRILLING SCHEDULE

ODYSSEUS FEDERAL #1-18

630' FSL & 660' FEL

Section 18, T35S, R25E

San Juan County, Utah

Field: Wildcat

Elevation:

Geology:

Formation Tops:

Morrison	Surface	Moenkopi	2632'
Bluff	604'	Cutler	2644'
Summerville	639'	Hermosa	4464'
Entrada	879'	Upper Ismay	5481'
Navajo	1080'	Lower Ismay	5637'
Kayenta	1506'	Desert Creek	5717'
Wingate	1527'	Akah	5803'
Chinle	1952'	Salt	5831'
Shinarump	2552'	Total Depth	5840'

Logging Program:

Dual Induction-SFL: Total Depth to surface casing
BHC Sonic with GR and Caliper: Total Depth to surface casing
FDC/CNL with GR and Caliper: Total Depth to 4300'
HDY Dipmeter: To be selected by Wellsite Geologist
Mud Logger from 2200' to Total Depth.
Wellsite Geologist from 2200' to Total Depth.

Coring and Sample Program:

30' samples from 2200' to 4300' (catch 10' samples through Shinarump)
10' samples from 4300' to Total Depth
Cored intervals and core points to be picked up by Wellsite Geologist.
One 60' core through Desert Creek anticipated

Natural Gauges and DST's:

Gauge any natural flow. DST all shows

Drilling:

Contractor:

Tool Pusher:

Radio Dispatch:

Mobile Number:

SRC Representative:

SRC Office: (505) 325-1841

SRC Radio Dispatch: (505) 325-7391

Mud Program:

0'- 100': Spud Mud
 100'-4400': Benex and water. Mud up as necessary to control hole conditions.
 4400'-T.D. : Fresh water, low solids system. 8.8 to 11.0* PPG mud weight, 34 to 46 sec/qt viscosity, 6 to 8 cc water loss.

* Mud weight should be increased to control pressures encountered. Anticipate possible lost circulation in Navajo, through Shinarump.

Materials:

Casing Program:

<u>Hole Size</u>	<u>Depth Set</u>	<u>Casing Size</u>	<u>Weight and Grade</u>	
17-1/2"	100'	13-3/8"	48#	H-40
12-1/4"	750'	9-5/8"	36#	K-55
8-3/4"*	2000'			
7-7/8"	5840'	5-1/2"	15.5#	K-55

* 8-3/4" hole will be drilled into Chinle. This will allow setting 7" intermediate casing if necessary.

Float Equipment:

13-3/8" Conductor: Bakerline cement nose guide shoe.
 9-5/8" Surface Casing: Bakerline cement nose guide shoe, self fill insert float valve. Run two joints above shoe, and five Bakerline standard centralizers run every other joint above shoe.
 Production Casing: To be specified when casing is run. Stage tool will be run in Cutler.

Cementing Program:

Conductor: Use 120 sacks (142 cu.ft.) of Class "B" Neat with 1/4# gel flake per sack and 3% CaCl₂. This is 100% excess to circulate to surface. WOC 12 hours. Test to 600 psi prior to drilling out shoe.
 9-5/8" Surface Casing: Use 260 sacks (385 cu.ft.) 50/50 Class "B" Poz with 6% gel and 1/4# gel flake per sack followed by 70 sacks (83 cu.ft.) of Class "B" with 1/4# gel flake per sack and 2% CaCl₂. This is 100% excess to circulate to surface. WOC 12 hours. Test to 1000 psi prior to drilling out shoe.

5-1/2" Production Casing:

Slurry to be designed if casing is run. Will use 358 cu.ft. on lower stage to cover the top of the Hermosa and 470 cu.ft. on the upper stage to cover from Cutler to top of Navajo. Volume on both stages is 50% excess.

C. C. PARSONS
DISTRICT PRODUCTION MANAGER

REF/eg

5/06/82



Southland Royalty Company

May 19, 1982

Mr. Ed Guynn
Minerals Management Service
Room 2000, Administration Building
1745 West 1700th South
Salt Lake City, Utah 84104

RE: Blowout Preventer Plan

Dear Mr. Guynn:

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.

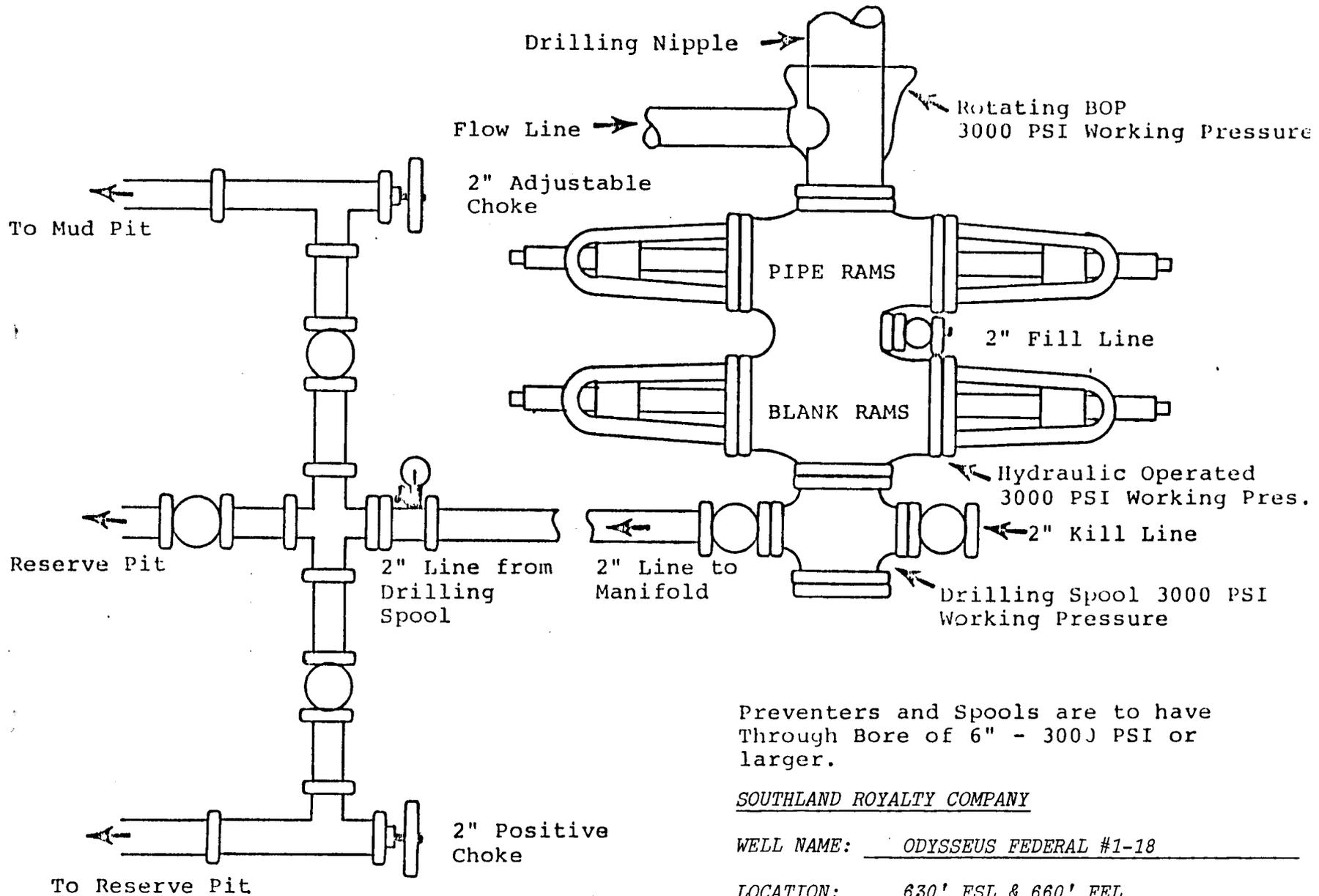
Sincerely,

SOUTHLAND ROYALTY COMPANY

R. E. Fielder
District Engineer

REF/eg

Attachment



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

SOUTHLAND ROYALTY COMPANY

WELL NAME: ODYSSEUS FEDERAL #1-18

LOCATION: 630' FSL & 660' FEL

Section 18, T35S, R25E

COUNTY: San Juan

STATE: Utah

LEASE NAME: ODYSSEUS FEDERAL #1-18

LEASE NUMBER: U-47202

LOCATION: 630' FSL & 660' FEL. Section 18, T35S, R25E, San Juan County, Utah

DATE: May 20, 1982

SURFACE USE AND OPERATIONS PLAN

1. Existing Roads:

- A. See Attachment #1
- B. Route and Distance from nearest town: 18 miles Southeast of Monticello, Utah
- C. Access Road to Location: See Attachment #1
- D. Exploratory Well: See Attachment #1
- E. Development Well: N/A
- F. Plans for Improvement and/or Maintenance:

The access road will be bladed dirt and will be maintained regularly upon completion of the well.

2. Planned Access Road - See Attachment #1:

- A. Width: 18' running surface
- B. Maximum Grade: 3%
- C. Turnouts: None
- D. Drainage Design: As per BLM's surface operating standards
- E. New Construction: 7/10 of a mile
Upgrade Existing Road: None
- F. Location and Size of Culverts: None
- G. Major Cuts and Fills: No major cuts or fills are planned for the access road
- H. Surface Materials: Native soil
Gate None Cattleguards None Fence Cuts None
- I. Center-line of Road Flagging: The route of the proposed access road is flagged as shown on the attached map.

3. Location of Existing Wells - See Attachment #1

4. Location of Existing and/or Proposed Facilities Owned and/or Controlled By Southland Royalty Company:

A. *Existing Facilities: There are no existing facilities in the area.*

B. *New Production Facilities:*

All new production facilities will be located on the wellsite. The proposed production facility layout and dimensions are shown on Attachment #2. Construction materials will be obtained from the location. Pits will be fenced and covered as soon as possible to protect wildlife and livestock.

C. *Plans for Rehabilitation of Disturbed Area:*

All surface not needed for operation will be recontoured to blend with existing topography and reseeded with the recommended seed mixture provided by the surface managing agency or land owner.

5. Location and Type of Water Supply:

A. *Location: SW/4 of Section 25, T34S, R25E*

Supply: Crowley Waterhole

B. *Method of Transportation: Truck*

C. *Water Wells to be Drilled: None*

6. Source of Construction Materials:

Location construction materials will be obtained on the location itself. Access road is shown on Attachment #1.

7. Methods of Handling Waste Disposal:

A&B *Cuttings and Drilling Fluids:*

All returns will be put in the reserve pit and buried when the location is recontoured.

C. *Produced Fluids:*

Tanks will be used for storage of produced fluids during testing.

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 Waste Materials:*

Garbage and other waste materials will be contained in a trash bin.

F. *Clean-Up of Well-Site:*

Upon completion of drilling, all trash and litter will be picked up and contained in a trash bin. 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 (Attachment #3)

B. *Location of Pits and Stockpiles:* See well-site layout (Attachment #3)

C. *Pad Orientation:* See well-site layout (Attachment #3)

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 Waste 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 trash bin instead of burn pit.

B. *Revegetation and Rehabilitation:*

Revegetation of the location and access roads will begin with reseeded 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 reseeded 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:*

Rocky rolling hills and rocky sandy clay loam

B. *Surface Use and Ownership:*

Grazing - Fee surface with federal minerals

C. *Proximity of Water, Occupied Dwellings, Archaeological, Historical or Cultural Sites:*

Nearest Water: 2 miles

Nearest Dwelling: 4 miles

Archaeological: Landowner will be notified if any sites are encountered during construction. An archaeological report will be forth coming as soon as it is completed.

12. *Lessee or Operator's Field Representative:*

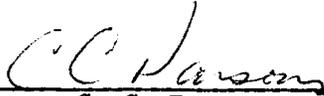
Mr. Ross Lankford or Mr. Max Larson will be Southland Royalty Company's Field Representative supervising these operations.

*SOUTHLAND ROYALTY COMPANY
P. O. DRAWER 570
FARMINGTON, NEW MEXICO 87401
(505) 325-1841*

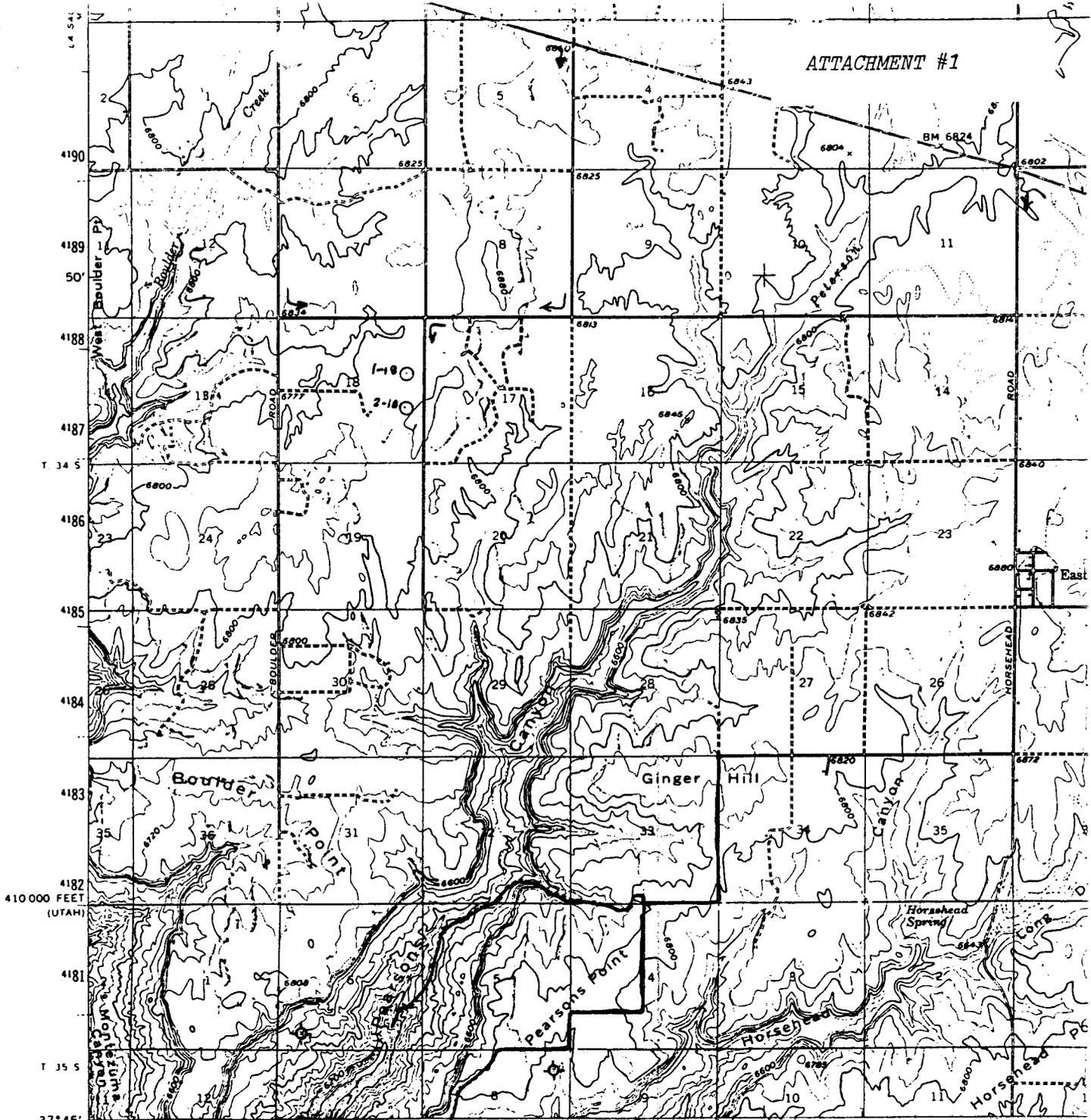
13. Certification:

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

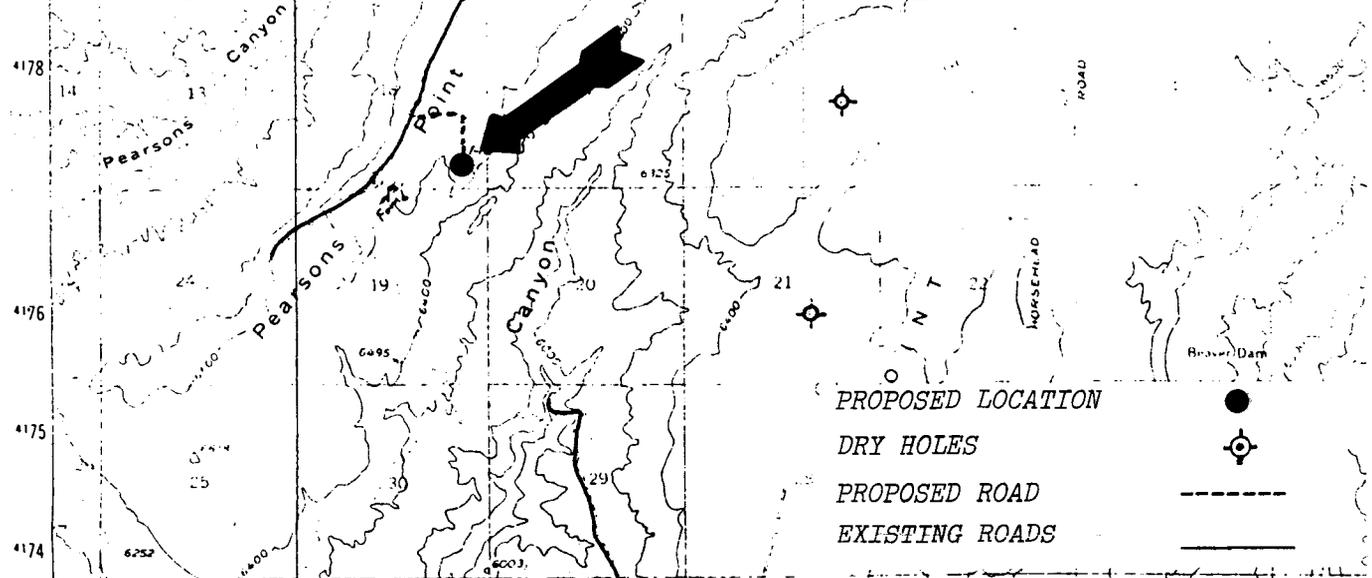
Date: 5-21-82



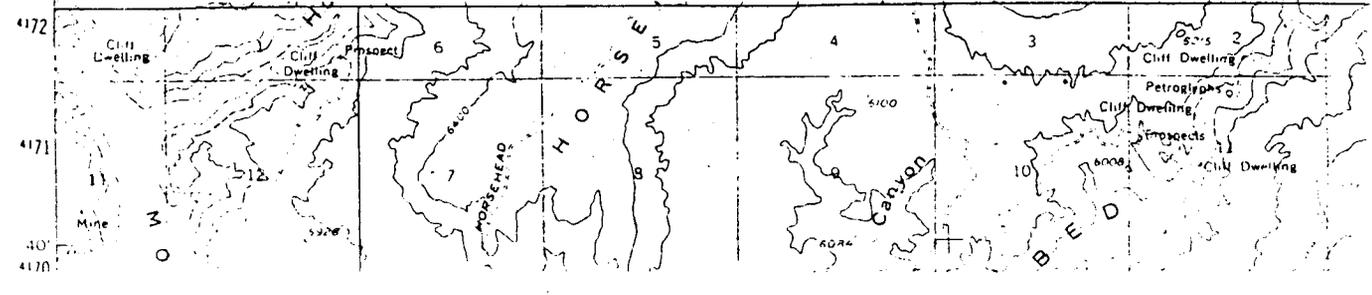
C. C. Parsons
District Production Manager



4179000m N



Vicinity Map for
 Southland Royalty Co. #1-18 Odysseus Federal
 630'FS 660'FE Sec 18-35S-25E
 San Juan County Utah





Southland Royalty Company
ROCKY MOUNTAIN DISTRICT
 FARMINGTON, NEW MEXICO

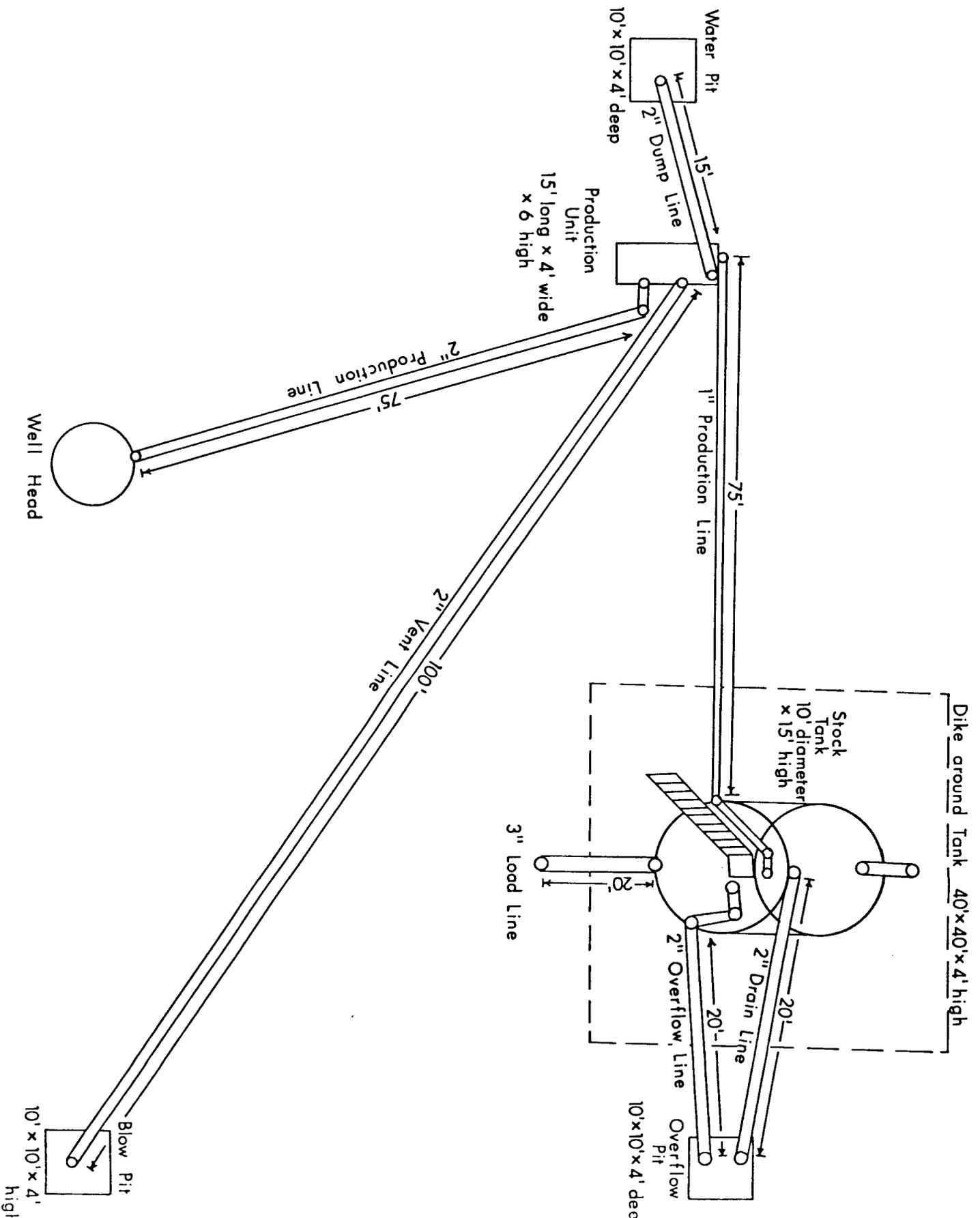
ATTACHMENT #2

PROPOSED PRODUCTION FACILITY LAYOUT

WELL ODYSSEUS FEDERAL #1-18
 630' FSL & 660' FEL

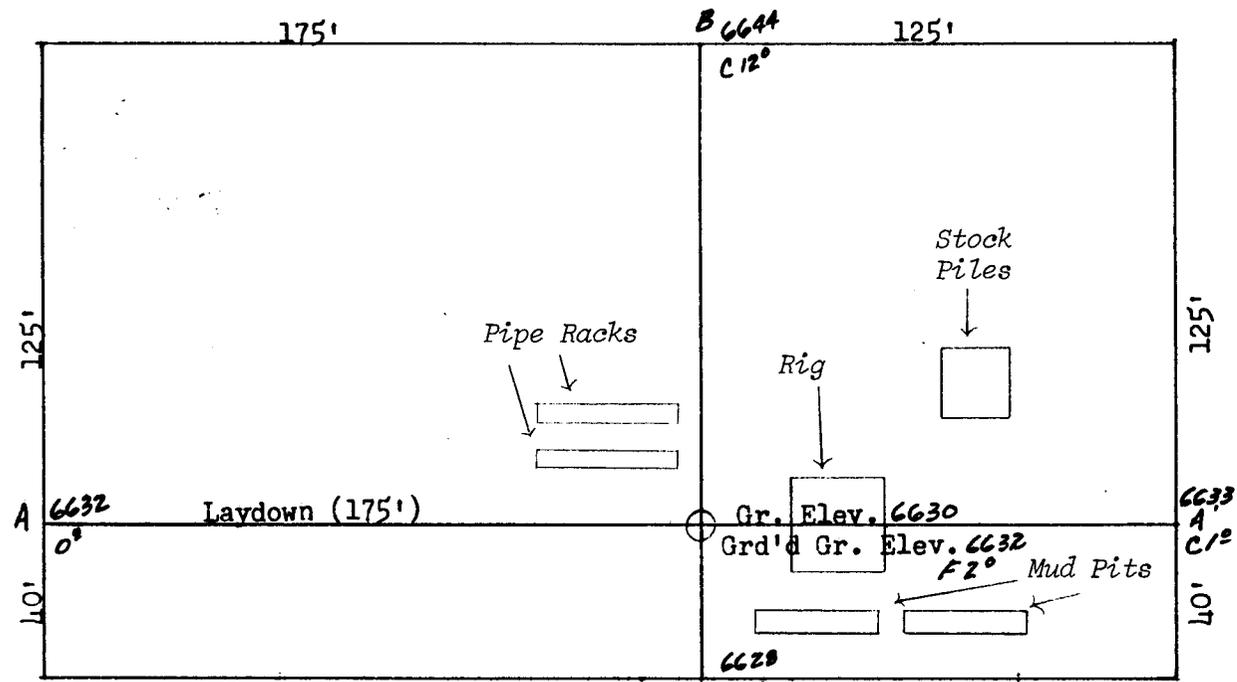
LOCATION Section 18, T35S, R25E
 San Juan County, Utah

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



ATTACHMENT #3

Profile Map for
 Southland Royalty Co. #1-18 Odysseus Federal
 630'FS 660'FE Sec 18-T35S-R25E
 San Juan County Utah



A - A' Vertical: 1"=30' Horizontal: 1"=100'

6640				
6630	[Profile Line]			
6620				

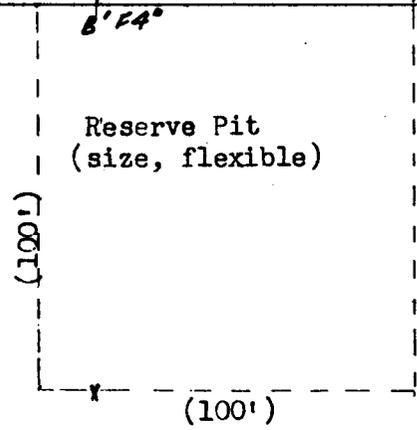
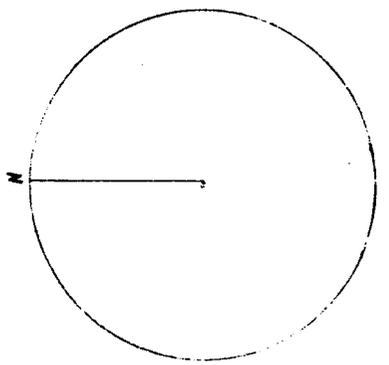
B - B' Vertical: 1"=30' Horizontal: 1"=100'

6640	[Profile Line]			
6630	[Profile Line]			
6620	[Profile Line]			

C - C' Vertical: 1"=30' Horizontal: 1"=100'

BURN PIT

Scale: 1"=50'



Date: May 18, 1982

LOCATION DAMAGE RELEASE

In consideration of the payment of \$4000.⁰⁰, receipt of which is acknowledged, each of the undersigned hereby release Southland Royalty Company and its employees, agents and contractors from all claims of loss, damage or injury to persons or property arising out of the installation, operation and removal of the Principal Facility described below, and the installation, operation and removal of all facilities related to the Principal Facility, including but not limited to pads, pits, pumps, water wells, compressors, tanks, roads, pipelines and electric or telephone cables.

Principal Facility:
ODYSSEUS Federal #1-18

Location:
~~630S~~ 660E Sec. 18 T35S R25E
SAN JUAN CO. Utah

Location will be Reclaimed back to Natural State
All damage Area will be Reseeded w/ Crested wheat.

WITNESS:

SIGNED

701-587-2668

Ross E. Sanford

Kenneth Miller

Bill Sanford

DATE: 5-18, 1982

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: U-47202

and hereby designates

NAME: Southland Royalty Company
ADDRESS: 410 17th Street, Suite 1000
Denver, Colorado 80202

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

Township 35 South, Range 25 East
Section 18: All

San Juan County, Utah

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

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

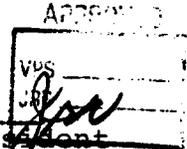
The lessee agrees promptly to notify the supervisor of any change in the designated operator.

ATTEST:

BY: *J. S. [Signature]*
Assistant Secretary

SANTA FE ENERGY COMPANY

J. L. Bridwell
J. L. Bridwell (Signature of lessee) Vice President
2600 Security Life Building
Denver, Colorado 80202



April 6, 1982

(Date)

(Address)

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: U-47202

and hereby designates

NAME: Southland Royalty Company
ADDRESS: 410-17th Street, Suite 1000
Denver, Colorado 80202

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

Township 35 South - Range 25 East, SLM
Section 18: All

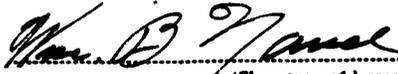
San Juan County, Utah

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

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

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

DIAMOND SHAMROCK CORPORATION


District Landman (Signature of lessee) f A

410-17th Street, Suite 600
Denver, Colorado 80202
(Address)

April 14, 1982
(Date)

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE:
SERIAL No.: U-47202

and hereby designates

NAME: Southland Royalty Company
ADDRESS: 410 - 17th Street, Suite 1000
Denver, Colorado 80202

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

Township 35 South, Range 25 East

Section 18 All

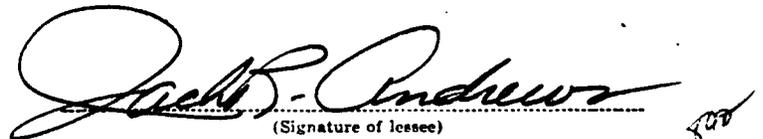
San Juan County, Utah

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

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

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

MCOR OIL AND GAS CORPORATION


(Signature of lessee)

Jack R. Andrews, Vice President

5-10-82

(Date)

10880 Wilshire Boulevard, Los Angeles,
(Address) CA 90024

Project No. 67-82C

Federal Antiquities Permit
82-UT-094

An Archaeological Survey of
The #1-18 Odysseus Federal Well Pad and Access Road
in San Juan County, Utah

for
Southland Royalty

by
Jill Seyfarth
Supervisory Archaeologist

submitted by
Margaret A. Powers
Principal Investigator

DIVISION OF CONSERVATION ARCHAEOLOGY

Contributions to Anthropology Series, No. 505
San Juan County Archaeological Research Center and Library

May 24, 1982

ABSTRACT

On May 18, 1982, the Division of Conservation Archaeology of the San Juan County Museum Association completed an archaeological survey of one well pad and access road for Southland Royalty. The survey area is located in San Juan County, Utah on privately owned land. The land has federal mineral rights. Three isolated loci were noted and fully recorded in the field. DCA recommends archaeological clearance because the cultural resources have fulfilled their research potential.

INTRODUCTION

On May 18, 1982, the Division of Conservation Archaeology (DCA) of the San Juan County Museum Association conducted an archaeological survey for Southland Royalty of Farmington, New Mexico. Mr. Ross Lankford of Southland Royalty requested the survey on May 10, 1982. Margaret A. Powers, administered the project for DCA; Mr. Lankford administered the project for Southland Royalty.

In recognition of the limited, nonrenewable nature of archaeological remains, federal and state governments have enacted legislation that is designed to conserve and protect these resources. The principal federal legislation includes the Antiquities Act of 1906 (PL 52-209), the Historic Preservation Act of 1966 (PL 89-665), the National Environmental Policy Act of 1969 (PL 91-852), the 1971 Executive Order No. 11593, the Archaeological and Historical Conservation Act of 1974 (PL 93-291), and the Archaeological Resources Protection Act of 1979 (PL 96-95).

In addition, the states of Arizona, New Mexico, Utah, and Colorado have enacted laws to ensure compliance with federal legislation and to protect archaeological resources within their jurisdiction. Work undertaken in the course of this project is governed by the stipulations of Federal Antiquities Permit No. 82-UT-094 and is for purposes of compliance with these statutes.

Jill Seyfarth, DCA archaeologist, surveyed the project area for cultural remains. The following persons were present during the field inspection: Mr. Ross Lankford, Southland Royalty; Mr. Don Englishman, Mineral Management Services, Durango; Mr. Carl Hunt, Hanksville; surveyors for Fred Kerr Surveying, Farmington; and Mr. Kenneth Miller, the landowner.

METHODS

The well pad was surveyed by walking parallel zig zag transects spaced 10 to 15 meters apart. The access road was covered in a single transect centered on the middle of the road.

A 10 meter buffer zone beyond each well pad perimeter and a 3 meter buffer on each side of the access road were included in the survey. The archaeologist recorded all cultural remains. Those whose information potential exceeded what could be extracted during the survey phase were assigned site status. Other cultural remains were documented as isolated loci (IL). Pertinent environmental data were also recorded.

In addition to field inspection, the archaeologist conducted a search of the records at DCA to determine if any sites had been previously recorded in the project area. Site and project records required by the Bureau of Land Management were completed.

PROJECT AREA

Southland #1-18 Odysseus Federal

Legal Description: 630'F/SL, 660'F/EL, T35S, R25E, Section 18
S.L.M., San Juan County, Utah (Figure 1)

UTM Coordinates: Zone 12, 4177150N, 658450E (well pad center)
4177550N, 658200E (north end access road)

Map Source: U.S.G.S. 15' Monument Canyon, Utah - Colorado (1957)

Land Jurisdiction: Privately owned surface; federal mineral rights

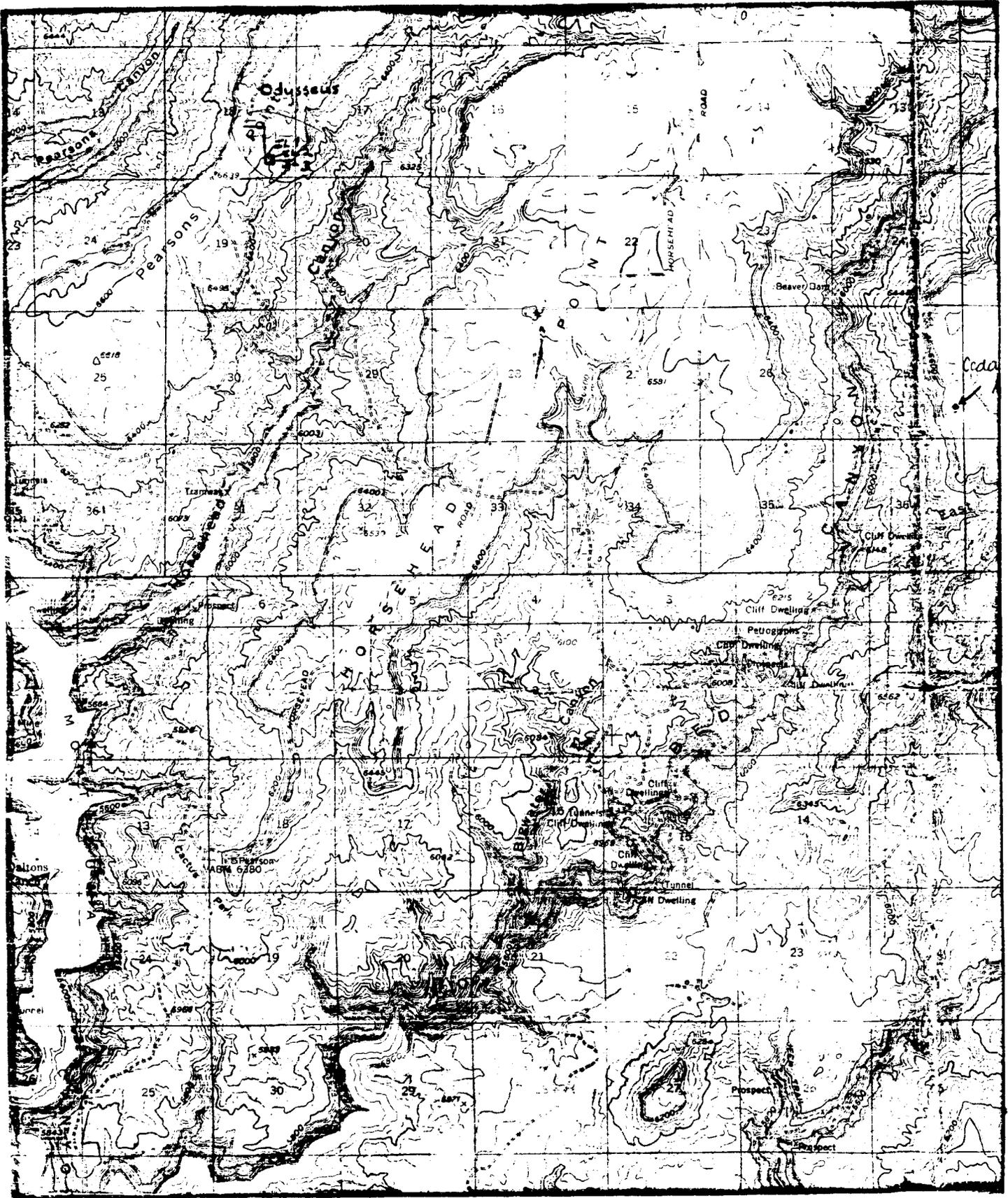
Project Area: 360' x 360' (well pad plus buffer) 2.9 acres
3400' x 19' (access road plus buffer) 1.4 acres
4.3 Total Acres

Description: The Odysseus well pad is located on a gently rolling mesa top cut by narrow, steep canyons. Sandstone outcrops on the mesa top. Soil is a tan silty loosely consolidated sand. The area has been chained and burned, resulting in oxidized soil and rocks, and chunks of charcoal. Present vegetation is a shrub grassland that includes Indian rice grass (Oryzopsis hymenoides), grama grass (Bouteloua sp.), rabbitbrush (Chrysothamnus nauseosus), sage (Artemisia tridentata), snakeweed (Gutierrezia sarothrae), Mormon tea (Ephedra viridis), and Gambel oak (Quercus gambelii). The access road parallels a fence along the edge of a planted field.

Cultural Resources: Three isolated loci were noted during the survey and are located in Figure 1. IL#1 is a small fine-grained gray tertiary chert flake. IL#2 consists of two petrified wood tertiary flakes. IL#3 is an indented corrugated sherd.

Recommendations: All three isolated loci were thoroughly documented in the field and provide no further research potential. DCA recommends archaeological clearance.

35S



SCALE 1:62500



CONTOUR INTERVAL 40 FEET

CONTOUR LINES REPRESENT 20 FOOT INTERVALS

MONUMENT CANYON, UTAH-COLO
N3735 - W10900/15

1957

AMS 4159 II SERIES V797

MINERALS MANAGEMENT
SERVICE
OIL & GAS OPERATIONS
RECEIVED

Identification No. 317-82

JUN 14 1982

SALT LAKE CITY, UTAH United States Department of the Interior
~~Geological Survey~~ Minerals Management Service
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Southland Royalty Company
Project Type single zone oil exploration well
Project Location 630 FSL/660 FEL, sec. 18, T. 35S, R. 25E.
Well No. 1-18 Odysseus Federal Lease No. U-47202
Date Project Submitted _____

FIELD INSPECTION

Date May 18, 1982

Field Inspection
Participants

Ralph Langsford - Southland Royalty
Carl Hunt - Hunt Construction
Tony Hansen - Kern Engineering
Jill Seyfarth - Salmon Ruins (archaeologist)
Kenneth Miller - Landowner
Don Englishman - Minerals Management Service

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.

May 18, 1982
Date Prepared

Don Englishman
Environmental Scientist

I concur

JUN 15 1982
Date

W.P. Martin FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR
District Supervisor

FILE

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						✓4	✓		(
2. Unique charac- teristics							✓		
3. Environmentally controversial							✓		
4. Uncertain and unknown risks							✓		
5. Establishes precedents							✓		
6. Cumulatively significant							✓		
7. National Register historic places	✓1								
8. Endangered/ threatened species	✓1								
9. Violate Federal, State, local, tribal law						✓4	✓		

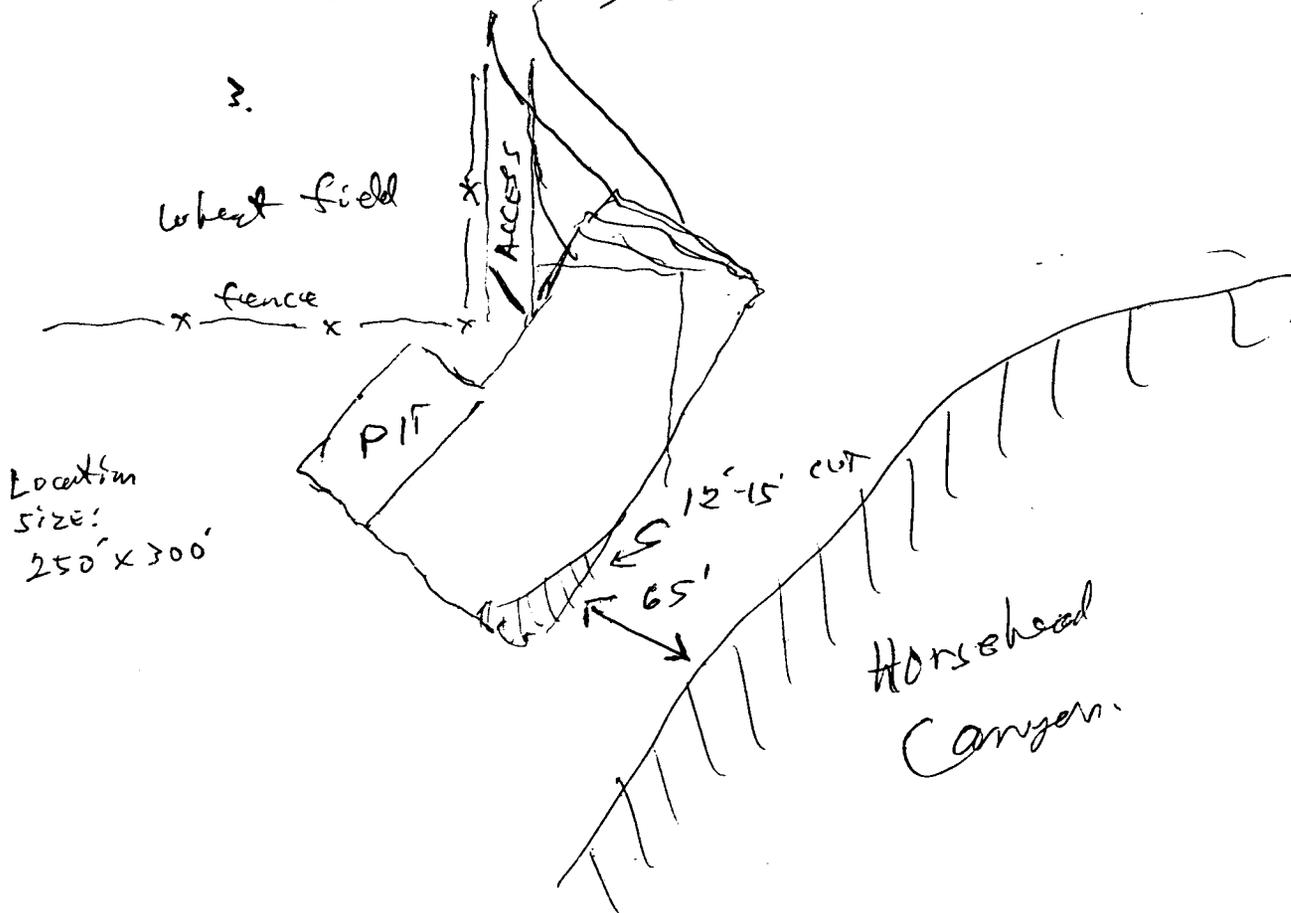
CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

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 for Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement

Remarks:

1. location not changed as stated
2. water source from private water hole at Eastland, Utah

3.





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
San Juan Resource Area
P.O. Box 7
Monticello, Utah 84535

IN REPLY REFER TO

T35SR25E
Section 18
(U-069)

June 8, 1982

To: Minerals Management Service, Durango, Colorado
From: Area Manager, San Juan
Subject: Southland Royalty Company

We concur with Southland Royalty Company's proposal to drill a test in T. 35 S., R. 25 E., Section 18 (private surface). We have a signed agreement between Southland Royalty and Kenneth Miller, land owner, for reclamation.

Robert L. Linn

** FILE NOTATIONS **

DATE: June 7, 1982

OPERATOR: Southland Loyalty Company

WELL NO: Odyssey Federal # 1-18

Location: Sec. ^{SESE} 18 T. 35S R. 25E County: San Juan

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-037-30764

CHECKED BY:

Petroleum Engineer: _____

Director: _____

Administrative Aide: ^{ok} As Per Rule C-3

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 FED

Plotted on Map

Approval Letter Written

Hot Line

P.I.

June 8, 1982

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

RE: Well No. Odysseus Federal #1-18
Sec. 18, T35S, R25E
San Juan County

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

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

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

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

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

The API number assigned to this well is 43-037-30764.

Sincerely,

DIVISION OF OIL, GAS AND MINING


Ronald J. Firth
Chief Petroleum Engineer

RJF:SC
cc: Minerals Management Service
Enclosure

NOTICE OF SPUD

Company: Southland Loyalty
Caller: Sherry
Phone: ^{Garmin}_{N.M.} 505-325-1841

Well Number: 1-18

Location: ~~#~~ 18-355-25E

County: San Juan State: Utah

Lease Number: U-47202

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 6-30-82 5:00 AM

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) _____

Rotary Rig Name & Number: Four Corners #9

Approximate Date Rotary Moves In: 6-29-82

FOLLOW WITH SUNDRY NOTICE

Call Received By: deLais

Date: 6-30-82

**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, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 630' FSL & 660' FEL
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	<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"/>

5. LEASE
U - 47202

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Odysseus Federal

9. WELL NO.
#1-18

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 18, T35S, R25E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6630' GR.

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

DIVISION OF
OIL & GAS ADMINISTRATION

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.)*

- 6-30-82 Spudded 12-1/4" surface hole at 2:30 am, 6-30-82. Ran 3 joints of 13-3/8" (107') conductor 48#, set at 118'. Cemented with 120 sacks Class "B" with 3% CaCl₂, 1/4# flocele per sack. Plug down at 12:30 am, 7-1-82.
- 7-2-82 Ran 18 joints (754') 9-5/8", 36# casing set at 766'. Cemented with 760 sacks Class "B" containing 50/50 poz, 6% gel, 1/4# flocele. Tail in with 70 sacks Class "A", 2% CaCl₂, 1/4# flocele. Cement circulated to top. Plug down 2:30 pm, 7-2-82.

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

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

SIGNED *Amy Shirley* TITLE Secretary DATE July 12, 1982

(This space for Federal or State office use)

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

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator Southland Royalty Representative Doug Harris

Well No. ODYSSEUS FED.1-18 Location SE ¼ SE ¼ Section 18 Township 35 S Range 25 E

County San Juan Field Wildcat State Utah

Unit Name and Required Depth _____ Base of fresh water sands _____

T.D. 5886' Size hole and Fill per sack 9 " 2.67' Mud Weight and Top 8.9 #/gal. _____

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
<u>13 3/8"</u>	<u>118'</u>	<u>surface</u>		<u>5750'</u>	<u>5000'</u>	<u>220 sax</u>
<u>9 5/8"</u>	<u>766'</u>	<u>surface</u>		<u>4524'</u>	<u>4310'</u>	<u>80 sax</u>
<u>Formation</u>	<u>Top</u>	<u>Base</u>	<u>Shows</u>	<u>2740'</u>	<u>2550'</u>	<u>70 sax</u>
<u>Navajo</u>	<u>1027'</u>	<u>1595'</u>	<u>-0-</u>	<u>1200'</u>	<u>1000'</u>	<u>75 sax</u>
<u>Shinarump</u>	<u>2648'</u>		<u>-0-</u>	<u>800'</u>	<u>600'</u>	<u>70 sax</u>
<u>Morenkope</u>	<u>2710'</u>		<u>-0-</u>	<u>surface w/marker</u>		
<u>Cutler</u>	<u>2884</u>		<u>-0-</u>			
<u>Formosa</u>	<u>4484'</u>		<u>-0-</u>			
<u>Upper Ismay</u>	<u>5410'</u>		<u>-0-</u>			
<u>Lower Ismay</u>	<u>5531'</u>		<u>-0-</u>			
<u>Desert Creek</u>	<u>5626'</u>		<u>6 Units of gas</u>			
<u>Paradox Salt</u>	<u>5758'</u>		<u>-0-</u>			

REMARKS

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

DST #1 5725 - 5726'. Recovered 20' slightly gas cut mud. Chloride running 1300 pts. per million. Resistivity .41 @ 98° F. Bottom hole temp. 125° F. Lost circulation at 1235, 2342, 2398, 2460 & 3730.

Approved by Ed Guynn, MMS Date 7-19-82 Time _____ a.m.
p.m.

**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: 630' FSL & 660' FEL
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	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input checked="" type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

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.)*

7-19-82 Spotted Plugs as Follows:

- 220 sacks Class "B" from 5750' -5000'
- 80 sacks Class "B" from 4524' -4310'
- 70 sacks Class "B" from 2740' -2550'
- 75 sacks Class "B" from 1200' -1000'
- 70 sacks Class "B" from 800' -600'
- 10 sacks Class "B" at surface

Installed dry hole marker...

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

5. LEASE
U-47202

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Odysseus Federal

9. WELL NO.
1-18

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 18, T35S-R25E

12. COUNTY OR PARISH San Juan 13. STATE Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6630' GL

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

DATE: 7/29/82
BY: [Signature]

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

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

SIGNED R E Fuller TITLE District Engineer DATE July 19, 1982

(This space for Federal or State office use)

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

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

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: 630' FSL & 660' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-47202

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Odysseus Federal

9. WELL NO.
1-18

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 18, T35S-R25E

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6630' GL

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.)*

13-3/8" casing set in 17-1/2" hole at 118'
9-5/8" casing set in 12-1/4" hole at 766'
7-7/8" hole drilled to 5886'

Formation Tops:

Navajo	1027'	Upper Ismay	5410'
Shinarump	2648'	Lower Ismay	5531'
Moenkopi	2710'	Desert Creek	5626'
Cutler	2884'	Paradox Salt	5758'
Hermosa	4484'		

SEE BACKSIDE

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

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

SIGNED [Signature] TITLE District Engineer DATE July 19, 1982

(This space for Federal or State office use)

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

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

*See Instructions on Reverse
DATE: 7/19/82
BY: [Signature]

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 requirements 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 office of 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. Such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant 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 is abandoned for final inspection looking to approval of the abandonment.

GPO : 1976 O - 214-148

Spot Plugs as Follows:

- #1 - 220 sacks Neat from 5750' to 5000'
 - #2 - 80 sacks Neat from 4524' to 4310'
 - #3 - 70 sacks Neat from 2740' to 2550'
 - #4 - 75 sacks Neat from 1200' to 1000'
 - #5 - 70 sacks Neat from 800' to 600'
- 10 sacks at surface with dry hole marker

(Verbal approval for above obtained 7-18-82 at 8:00 P.M. by Ed Guynn.)

DATE: _____
OIL, GAS, AND MINING DIVISION OF UTAH APPROVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.

16

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 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface 630' FSL & 660' FEL
 At top prod. interval reported below
 At total depth

SESE

14. PERMIT NO. 43-037-30764 DATE ISSUED 6-8-82

5. LEASE DESIGNATION AND SERIAL NO.
U-47202

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Odysseus Federal

9. WELL NO.
1-18

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Section 18, T35S, R25E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

15. DATE SPUNDED 6-30-82 16. DATE T.D. REACHED 7-16-82 17. DATE COMPL. (Ready to prod.) 7-19-82 (P&A) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6652' KR 19. ELEV. CASINGHEAD 6630' GR

20. TOTAL DEPTH, MD & TVD 5886' 21. PLUG, BACK T.D., MD & TVD --- 22. IF MULTIPLE COMPL., HOW MANY* --- 23. INTERVALS DRILLED BY --- ROTARY TOOLS 0-5886' 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
Dual Laterolog Micro-SFL, Borehole Comp. Sonic Log, Comp. Neutron Formation Density

27. WAS WELL CORED
NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>13-3/8"</u>	<u>48#</u>	<u>118'</u>	<u>17-1/2"</u>	**SEE OTHER SIDE FOR CEMENT REPORT**	
<u>9-5/8"</u>	<u>36#</u>	<u>766'</u>	<u>12-1/4"</u>		

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
<u>---</u>	<u>---</u>	<u>---</u>

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
<u>---</u>	<u>---</u>

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
<u>NO TEST</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

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

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 CC Parsons TITLE Dist. Production Manager DATE July 27, 1982

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

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

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

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

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

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

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS		
FORMATION	TOP	DESCRIPTION, CONTENTS, ETC.	NAME	
	BOTTOM			
			TOP	
			MEAS. DEPTH	
			TRUE VMEAS. DEPTH	
Morrison	Surface	<p>#28 Cement Report</p> <p>13-3/8" (Conductor Pipe) cemented with 140 sxs of Class "B" with 1/4# flocele per sx & 3% CaCl₂. PD @ 12:30 AM 7-1-82. Good Circ.</p> <p>9-5/8" cemented with 260 sxs of Class "B" 50/50 Poz with 1/4# flocele/sx & 6% gel, tailed in with 120 sxs of Class "B" with 1/4# flocele/sx & 2% CaCl₂. PD @ 2:30 PM 7-2-82. Cement circulated to surface.</p> <p>DST Reports - See attachments</p>		
Bluff	604'			
Summerville	639'			
Entrada	879'			
Navajo	1080'			
Kayenta	1506'			
Wingate	1527'			
Chinle	1952'			
Shinarump	2552'			
Moenkopi	2632'			
Cutler	2644'			
Hermosa	4464'			
Upper Ismay	5481'			
Lower Ismay	5637'			
Desert Creek	5717'			
Akiah	5803'			
Salt	5831'			

**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

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

AT SURFACE: *630' FSL & 660' FEL*
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

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

SUBSEQUENT REPORT OF:

-
-
-
-
-
-
-
-

(other) *Spud & Casing Reports (AMENDED)*

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.)*

- 6-30-82 *Spudded 17-1/2" surface hole at 2:30 A.M. 6-30-82. Ran 3 joints (107') of 13-3/8", 48#, H-40 conductor pipe set at 118'. Cemented with 140 sacks of Class "B" with 1/4# flocele per sack and 3% CaCl₂. Plug Down at 12:30 A.M. 7-1-82. Good circulation.*
- 7-02-82 *Drilled 12-1/4" hole to 766'. Ran 18 joints (754") of 9-5/8", 36#, K-55 casing set at 766'. Cemented with 260 sacks of Class "B" 50/50 Poz with 1/4# flocele per sack and 6% gel, tailed in with 120 sacks of Class "B" with 1/4# flocele per sack and 2% CaCl₂. Plug Down at 2:30 P.M. 7-2-82. Cement circulated to surface.*

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED *R. E. Fuller* TITLE *Dist. Engineer* DATE *July 27 1982*

(This space for Federal or State office use)

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

5. LEASE <i>U-47202</i>
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME <i>Odysseus Federal</i>
9. WELL NO. <i>1-18</i>
10. FIELD OR WILDCAT NAME <i>Wildcat</i>
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA <i>Section 18, T35S, R25E</i>
12. COUNTY OR PARISH 13. STATE <i>San Juan Utah</i>
14. API NO. <i>43-037-30764</i>
15. ELEVATIONS (SHOW DF, KDB, AND WD) <i>6630' GR</i>

RECEIVED
JUL 29 1982

(NOTE: Report results of multiple completion operations change on Form 9-331-C)

**DIVISION OF
OIL, GAS & MINING**

FILE IN TRIPLICATE
FORM OGC-8-X

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

DIVISION OF
OIL, GAS & MINING

RECEIVED
AUG 06 1982

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Odysseus Federal#1-18

Operator Southland Royalty Company Address P.O. Drawer 570, Farmington, N.M. 87401

Contractor Four Corners Drilling Co. Address P.O. Box 1067, Farmington, N.M. 87401

Location SE 1/4 SE 1/4 Sec. 18 T. 35S R. 25E County San Juan

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 7-19-82

- 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

	Surface
Morrison	604'
Bluff	639'
Summerville	879'
Escalada	1080'
Navajo	1506'
Kayenta	1527'
Wingate	1952'
Chinle	2552'
Shinarump	2632'
Moenkopi	2644'
Cutler	4464'
Hermosa	5481'
Upper Ismay	5637'
Lower Ismay	5717'
Desert Creek	5803'
Akah	5831'
Salt	

 * WELL TEST DATA PRINTOUT *

FIELD REPORT # : 42860E

COMPANY : SOUTHLAND ROYALTY COMPANY
 WELL : ODYSSEUS FEDERAL #1-18

INSTRUMENT # : J-1117
 CAPACITY [PSI] : 4700.
 DEPTH [FT] : 5631.0
 PORT OPENING : OUTSIDE
 TEMPERATURE [DEG F] : 125.0

LABEL POINT INFORMATION

#	TIME OF DAY DATE HH:MM:SS DD-MM	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE PRESSURE PSIA
1	6:10:38 18-JY	HYDROSTATIC MUD	-15.37	2569
2	6:26: 0 18-JY	START FLOW	0.00	65
3	6:36:52 18-JY	END FLOW & START SHUT-IN	10.87	62
4	7: 9:41 18-JY	END SHUT-IN	43.69	147
5	7:10:31 18-JY	START FLOW	44.52	54
6	8:13: 8 18-JY	END FLOW & START SHUT-IN	107.13	58
7	11:20: 0 18-JY	END SHUT-IN	294.00	427
8	11:26:10 18-JY	HYDROSTATIC MUD	300.16	2573

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA
1	0.00	10.87	10.87	65	62
2	44.52	107.13	62.61	54	58

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	10.87	43.69	32.82	62	147	62	10.87
2	107.13	294.00	186.87	58	427	58	73.48

TEST PHASE : FLOW PERIOD # 1

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
6:26:00	18-JY	0.00	0.00	65
6:31:00	18-JY	5.00	5.00	64
6:36:00	18-JY	10.00	10.00	62
6:36:52	18-JY	10.87	10.87	62

TEST PHASE : SHUTIN PERIOD # 1
 FINAL FLOW PRESSURE [PSIA] = 62
 PRODUCING TIME [MIN] = 10.87

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
6:36:52	18-JY	10.87	0.00	62	0	
6:37:52	18-JY	11.87	1.00	66	4	1.074
6:38:52	18-JY	12.87	2.00	70	8	0.809
6:39:52	18-JY	13.87	3.00	73	11	0.665
6:40:52	18-JY	14.87	4.00	77	14	0.570
6:41:52	18-JY	15.87	5.00	80	18	0.502
6:42:52	18-JY	16.87	6.00	83	21	0.449
6:43:52	18-JY	17.87	7.00	86	23	0.407
6:44:52	18-JY	18.87	8.00	89	26	0.373
6:45:52	18-JY	19.87	9.00	92	29	0.344
6:46:52	18-JY	20.87	10.00	94	32	0.320
6:48:52	18-JY	22.87	12.00	100	38	0.280
6:50:52	18-JY	24.87	14.00	105	43	0.250
6:52:52	18-JY	26.87	16.00	110	48	0.225
6:54:52	18-JY	28.87	18.00	115	52	0.205
6:56:52	18-JY	30.87	20.00	119	57	0.189
6:58:52	18-JY	32.87	22.00	124	62	0.174
7: 0:52	18-JY	34.87	24.00	128	66	0.162
7: 2:52	18-JY	36.87	26.00	133	70	0.152
7: 4:52	18-JY	38.87	28.00	137	75	0.142
7: 6:52	18-JY	40.87	30.00	141	79	0.134
7: 9:41	18-JY	43.69	32.82	147	85	0.124

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
7:10:31	18-JY	44.52	0.00	54
7:15:31	18-JY	49.52	5.00	55
7:20:31	18-JY	54.52	10.00	57
7:25:31	18-JY	59.52	15.00	57
7:30:31	18-JY	64.52	20.00	57
7:35:31	18-JY	69.52	25.00	57
7:40:31	18-JY	74.52	30.00	57
7:45:31	18-JY	79.52	35.00	57
7:50:31	18-JY	84.52	40.00	58
7:55:31	18-JY	89.52	45.00	58
8: 0:31	18-JY	94.52	50.00	58
8: 5:31	18-JY	99.52	55.00	58
8:10:31	18-JY	104.52	60.00	58
8:13: 8	18-JY	107.13	62.61	58

TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 58
 PRODUCING TIME [MIN] = 73.48

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
8:13: 8	18-JY	107.13	0.00	58	0	
8:14: 8	18-JY	108.13	1.00	61	3	1.872
8:15: 8	18-JY	109.13	2.00	64	5	1.577
8:16: 8	18-JY	110.13	3.00	67	8	1.406
8:17: 8	18-JY	111.13	4.00	69	11	1.287
8:18: 8	18-JY	112.13	5.00	72	14	1.196
8:19: 8	18-JY	113.13	6.00	74	16	1.122
8:20: 8	18-JY	114.13	7.00	77	18	1.061
8:21: 8	18-JY	115.13	8.00	79	21	1.008
8:22: 8	18-JY	116.13	9.00	81	23	0.962
8:23: 8	18-JY	117.13	10.00	84	25	0.922
8:25: 8	18-JY	119.13	12.00	88	30	0.853
8:27: 8	18-JY	121.13	14.00	93	34	0.796
8:29: 8	18-JY	123.13	16.00	97	39	0.748
8:31: 8	18-JY	125.13	18.00	102	43	0.706
8:33: 8	18-JY	127.13	20.00	106	48	0.670
8:35: 8	18-JY	129.13	22.00	110	52	0.637
8:37: 8	18-JY	131.13	24.00	114	56	0.609
8:39: 8	18-JY	133.13	26.00	119	60	0.583
8:41: 8	18-JY	135.13	28.00	123	64	0.559
8:43: 8	18-JY	137.13	30.00	127	69	0.538
8:48: 8	18-JY	142.13	35.00	137	79	0.491
8:53: 8	18-JY	147.13	40.00	146	88	0.453
8:58: 8	18-JY	152.13	45.00	156	97	0.420

TEST PHASE : SHUTIN PERIOD # 2
 FINAL FLOW PRESSURE [PSIA] = 58
 PRODUCING TIME [MIN] = 73.48

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
*****	*****	*****	*****	*****	*****	*****
9: 3: 8	18-JY	157.13	50.00	165	107	0.393
9: 8: 8	18-JY	162.13	55.00	174	116	0.368
9:13: 8	18-JY	167.13	60.00	185	126	0.347
9:18: 8	18-JY	172.13	65.00	196	137	0.328
9:23: 8	18-JY	177.13	70.00	204	145	0.312
9:28: 8	18-JY	182.13	75.00	212	153	0.297
9:33: 8	18-JY	187.13	80.00	220	162	0.283
9:38: 8	18-JY	192.13	85.00	228	170	0.271
9:43: 8	18-JY	197.13	90.00	236	178	0.259
9:48: 8	18-JY	202.13	95.00	245	186	0.249
9:53: 8	18-JY	207.13	100.00	253	195	0.239
9:58: 8	18-JY	212.13	105.00	261	203	0.230
10: 3: 8	18-JY	217.13	110.00	269	211	0.222
10: 8: 8	18-JY	222.13	115.00	278	220	0.215
10:13: 8	18-JY	227.13	120.00	289	231	0.207
10:18: 8	18-JY	232.13	125.00	300	242	0.201
10:23: 8	18-JY	237.13	130.00	312	254	0.195
10:28: 8	18-JY	242.13	135.00	323	265	0.189
10:33: 8	18-JY	247.13	140.00	335	276	0.183
10:38: 8	18-JY	252.13	145.00	346	288	0.178
10:43: 8	18-JY	257.13	150.00	358	300	0.173
10:48: 8	18-JY	262.13	155.00	370	311	0.169
10:53: 8	18-JY	267.13	160.00	381	323	0.164
10:58: 8	18-JY	272.13	165.00	393	335	0.160
11: 3: 8	18-JY	277.13	170.00	405	347	0.156
11: 8: 8	18-JY	282.13	175.00	413	355	0.152
11:13: 8	18-JY	287.13	180.00	422	363	0.149
11:18: 8	18-JY	292.13	185.00	426	367	0.145
11:20: 0	18-JY	294.00	186.87	427	368	0.144

BOTTOM HOLE PRESSURE AND TIME DATA

5-1234

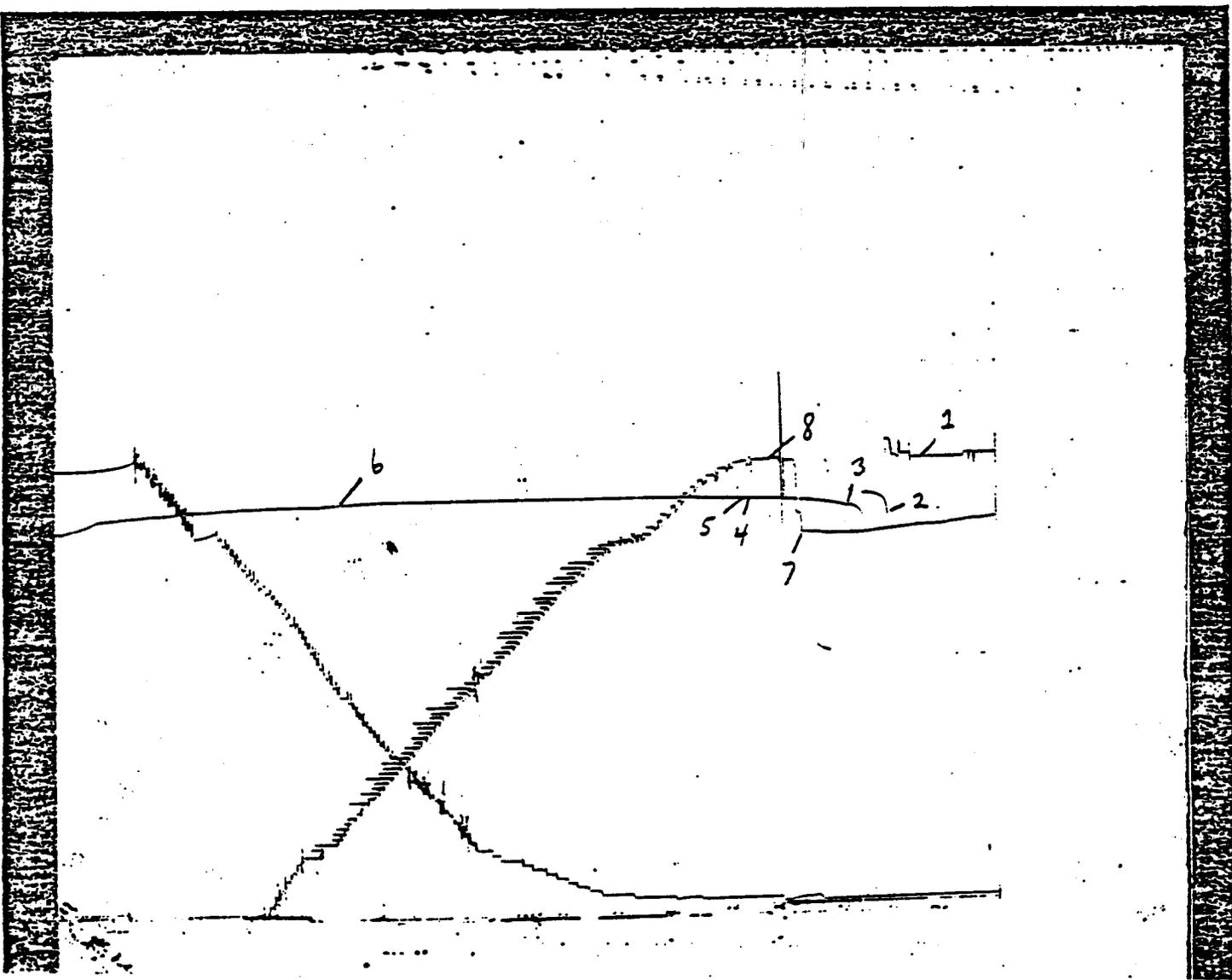
JOHNSTON-MACCO
Schlumberger

INSTRUMENT NUMBER J-1237		CAPACITY (P.S.J.) 4700#	DEPTH 5736'
PORT OPENING INSIDE		BOTTOM HOLE TEMPERATURE 125°F	FIELD REPORT NUMBER 42860 E

DESCRIPTION	LABELED POINTS	PRESSURE (PSIA)	GIVEN TIME	COMPUTED TIME
INITIAL HYDROSTATIC MUD	1	2650		
INITIAL FLOW (1)	2	2318		
INITIAL FLOW (2)	3	2378	17	
INITIAL SHUT-IN	4	2431	32	
SECOND FLOW (1)				
SECOND FLOW (2)				
SECOND SHUT-IN				
FINAL FLOW (1)	5	2432		
FINAL FLOW (2)	6	2437	62	
FINAL SHUT-IN	7	2230	181	
FINAL HYDROSTATIC MUD	8	2658		

REMARKS:

INSTRUMENT RUN BELOW STRADDLE.



mel



Southland Royalty Company

August 4, 1982

State of Utah
Department of Oil & Gas Conservation
4241 State Office Building
Salt Lake City, Utah 84114

RE: Odysseus Federal #1-18
630' FSL & 660' FEL
Section 18, T35S, R25E
San Juan, Utah
API #43-037-30764

Gentlemen:

The following is the deviation record for the above subject well.

<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
120'	1 deg.	2655'	3-1/4 deg.
539	1-1/4 deg.	2844'	3-1/2 deg.
770'	2 deg.	3258'	3 deg.
1089'	2 deg.	3503'	2-1/2 deg.
1843'	5 deg.	3691'	3 deg.
1968'	5-1/2 deg.	3971'	2 deg.
2124'	5 deg.	4286'	1-3/4 deg.
2280'	4-1/2 deg.	4787'	1-3/4 deg.
2476'	3-3/4 deg.	5315'	2-1/2 deg.
		5566'	3-1/4 deg.

Sincerely,

SOUTHLAND ROYALTY COMPANY

C. C. Parsons

C. C. Parsons
District Production Manager

CCP/eg

Attachment

RECEIVED

AUG 06 1982

**DIVISION OF
OIL, GAS & MINING**

State of Utah
Page Two
August 4, 1982



STATE OF NEW MEXICO
County of San Juan

The foregoing instrument was acknowledged before me this 4th day of August, 1982,
by C. C. Parsons of Southland Royalty Company on behalf of said Company.

NOTARY BOND FILED WITH SECRETARY OF STATE

My Commission Expires: 4-27-85

Esther J. Greyeyes
Esther J. Greyeyes
Notary Public - New Mexico