

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 SKYLINE OIL COMPANY

3. ADDRESS OF OPERATOR
 2000 University Club Building

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1530'/W line, 660'/S line Sec.26,T.36S.,R.23E., SLM
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 6 miles east of Blanding, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3,085'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6035 GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13-3/8"	48#	30'	Redi Mix
12 1/2"	9-5/8"	36#	2200'	950 sx (circ. to surface)
8-3/4"	7"	20#-26#	6500'	700 sx

EXPECTED FORMATION TOPS:

DAKOTA SS	Surface	NAVAJO	1430'	HERMOSA	4775'
MORRISON	350'	WINGATE	1885'	ISMAY	6115'
BLUFF SS	1025'	CHINLE	2175'	DESERT CREEK	6360'
ENTRADA	1230'	MOENKOPI	2920'	AKAH SALT	6490'
CARMEL	1395'	CUTLER	3100'		

Mud Program - See attachment A
 Blowout Preventer Program - See attachment A

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 8-27-82
 BY: *[Signature]*

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 *Michael D. Anderson* TITLE Senior Petroleum Engineer DATE 6 Aug. 82

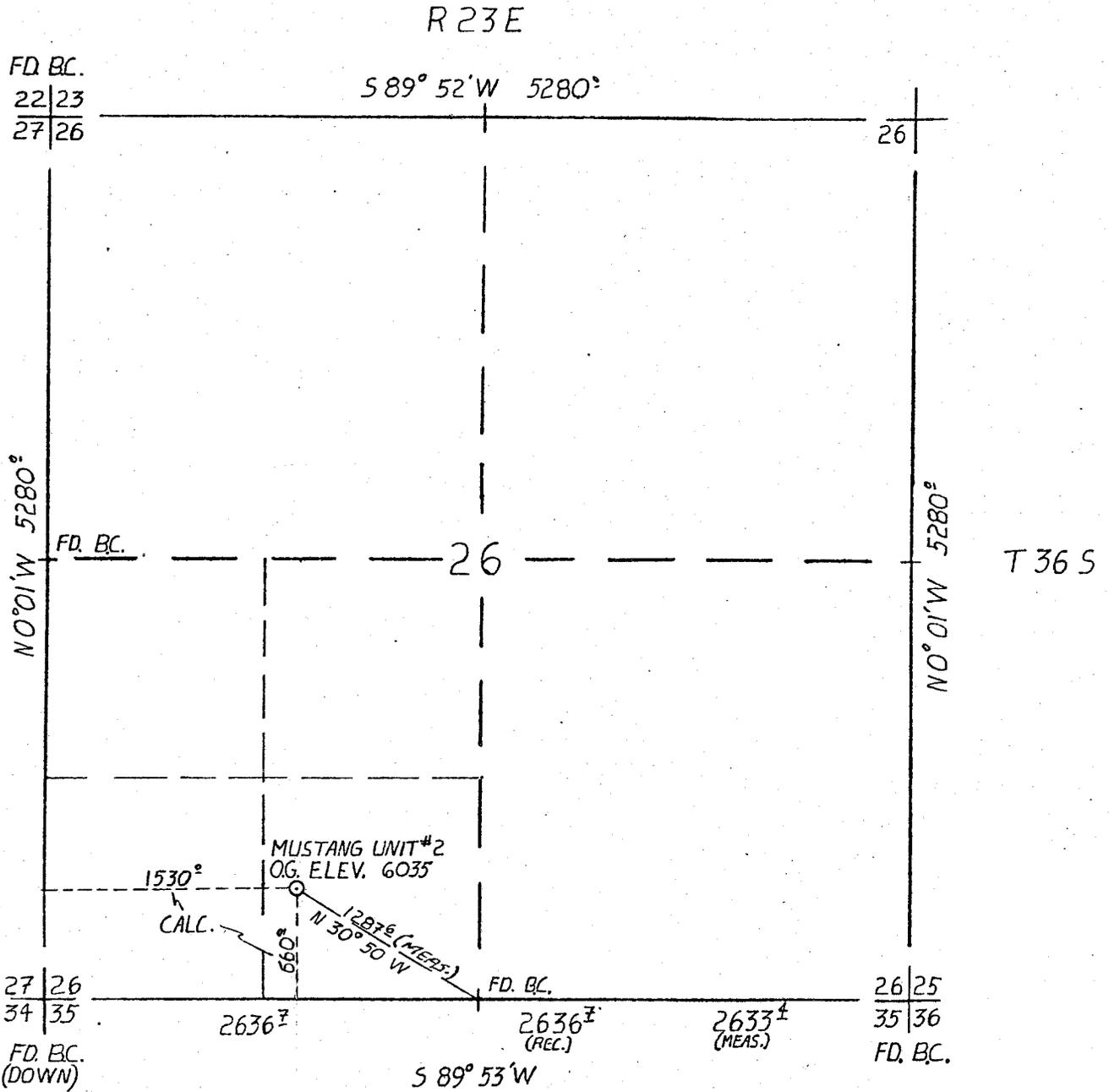
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

WELL LOCATION PLAT

BEARING BASE FROM SOUTH LINE SE 1/4
 SEC. 26, T 36 S, R 23 E S.L.B. & M. (S 89-53 W)



EXTERIOR CALLS RECORD

WELL LOCATION PLAT OF
 MUSTANG UNIT # 2 IN
 SE 1/4 SW 1/4, SEC. 26, T 36 S, R 23 E S.L.B. & M.
 SAN JUAN COUNTY, UTAH
 TRANSIT & EDM SURVEY
 FOR: SKYLINE OIL CO.
 SCALE: 1"=1000' JULY '82
 ELEV. BY VER. ANGLES FROM U.S.G.S.
 TOPO. QUAD. BLANDING, UTAH 1957
 SE. COR. SEC. 26 = 6090



477-15 N° 1963

ATTACHMENT A

SKYLINE OIL COMPANY
WILDCAT OIL WELL
MUSTANG UNIT # 2

SE SW Sec. 26, T. 36 S., R. 23 E.,
San Juan County, Utah

1. The Geologic Name of the Surface Formation:

Dakota Formation (lower Cretaceous)

2. Estimated Tops of Important Geologic Markers:

Entrada	1,230'
Navajo	1,430'
Chinle	2,175'
Ismay	6,115'
Desert Creek	6,360'
Akah Salt	6,490'

3. Water sands will be protected behind the surface pipe set at 2,200'. Prospective oil producing formations are the Ismay and Desert Creek.

4. Proposed Casing Program:

<u>Hole Size</u> (in.)	<u>Csg. Size & Weight</u> (in.) (lbs/ft.)	<u>Cond.</u>	<u>Setting Depth</u> (ft)	<u>Cement</u>
16"	13-3/8" 48	New	30'	Redi-mix
12 1/4"	9-5/8" 36	New	2200'	950 sx
8-3/4"	7" 20# - 26#	New	6500'	700 sx

Actual cement volumes will be determined by caliper log plus adequate excess.

5. Pressure Control Equipment:

Pressure control equipment will consist of a 10" 3000 psi W.P. double gate hydraulic BOP and a 10" 2000 psi W.P. Hydril above 10" 3000 psi W. P. casing head with screwed outlets. See schematic drawings of BOP assembly and choke manifold. We will wait on cement 12 hours, nipple up BOP assembly, and test to 2000 psi (Hydril to 1000 psi) and drill surface casing after 24 hours WOC. Pipe ram operation will be checked daily and blind rams operated when pipe is removed from hole on trips.

6. Drilling Mud Program:

<u>Interval</u>	<u>Program</u>
0 - 2200'	Fresh water with gel required to maintain viscosity at 28-32 sec.
2200 - 4000'	Fresh water, low solids & lightly dispersed MW: 8.8-9.0 Vis: 32-38 WL: 10-15
4000 - 6500'	Fresh water, low solids & lightly dispersed MW: 8.8-9.0 Vis: 36-40 WL: 10

7. Auxiliary Equipment:

Auxiliary equipment to be used will consist of a Kelly cock and a full-opening drillpipe valve sub in open position on the floor at all times. A bit float will not be utilized unless conditions dictate.

8. Testing, Coring and Logging Program:

Two drillstem tests are possible -- one each in the Ismay and Desert Creek Formations.

30' to 90' of core in Ismay
30' to 60' of core in Desert Creek

The following logs will be run:

Dual Induction Log	TD to bottom of surface pipe
GR-FDC-CNL-Cal *	TD to bottom of surface pipe
GR-Sonic	TD to surface

* GR will be run to surface.

9. Anticipated Abnormal Pressures, Temperatures & Potential Hazards:

No abnormal pressures, temperatures or hazards are anticipated.

10. It is anticipated that drilling operations will commence on or about September 1, 1982 with approximately 20 days of drilling to reach T.D. Completion operations will require an additional 30 - 45 days.

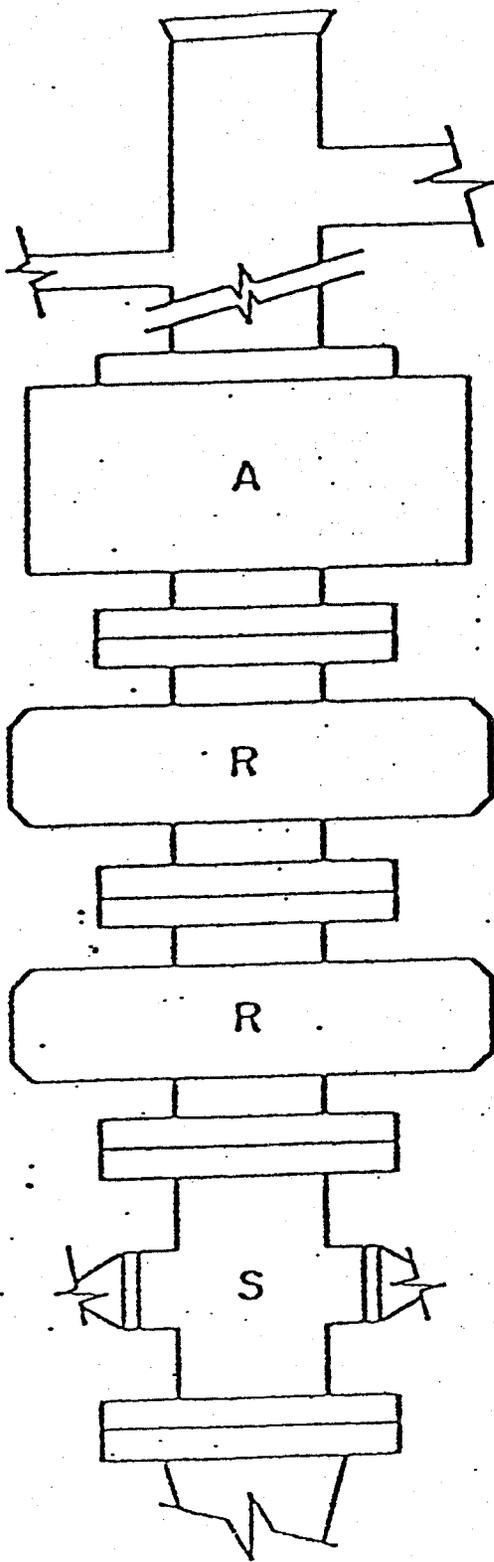


FIG. 2.C.5

ARRANGEMENT SRRA
 Double Ram Type Preventers, R_d Optional.

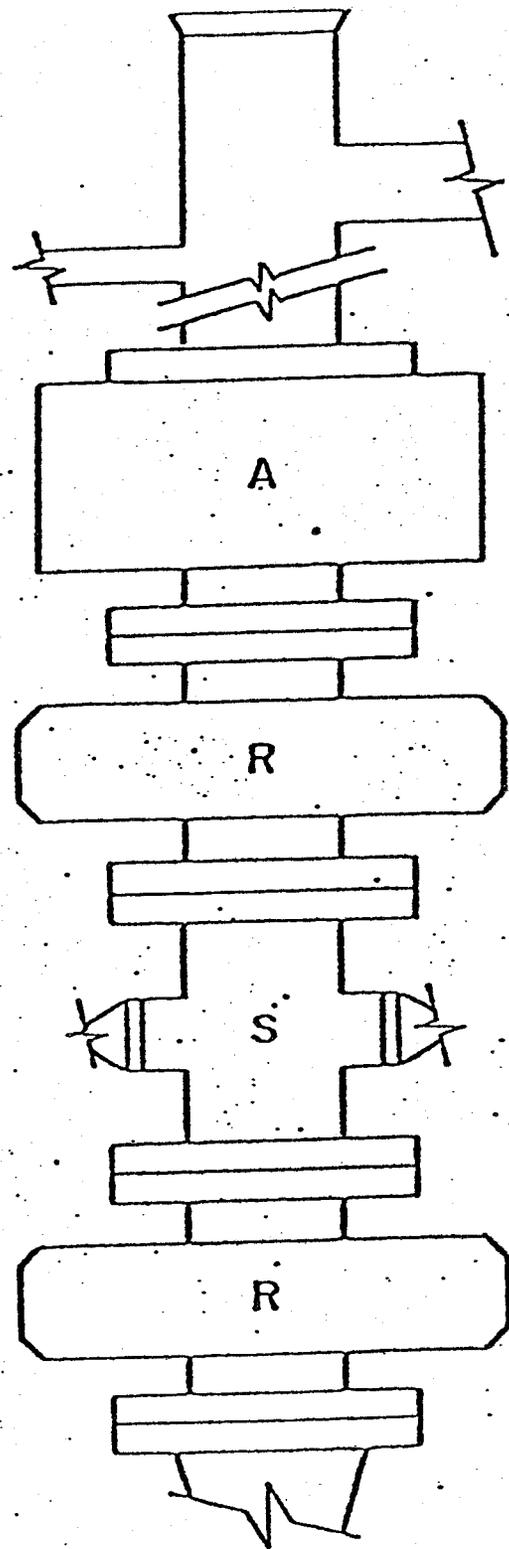


FIG. 2.C.6

ARRANGEMENT RSRA

TYPICAL BLOWOUT PREVENTER
 ARRANGEMENTS FOR 3M AND 5M RATED
 WORKING PRESSURE SERVICE—
 SURFACE INSTALLATION

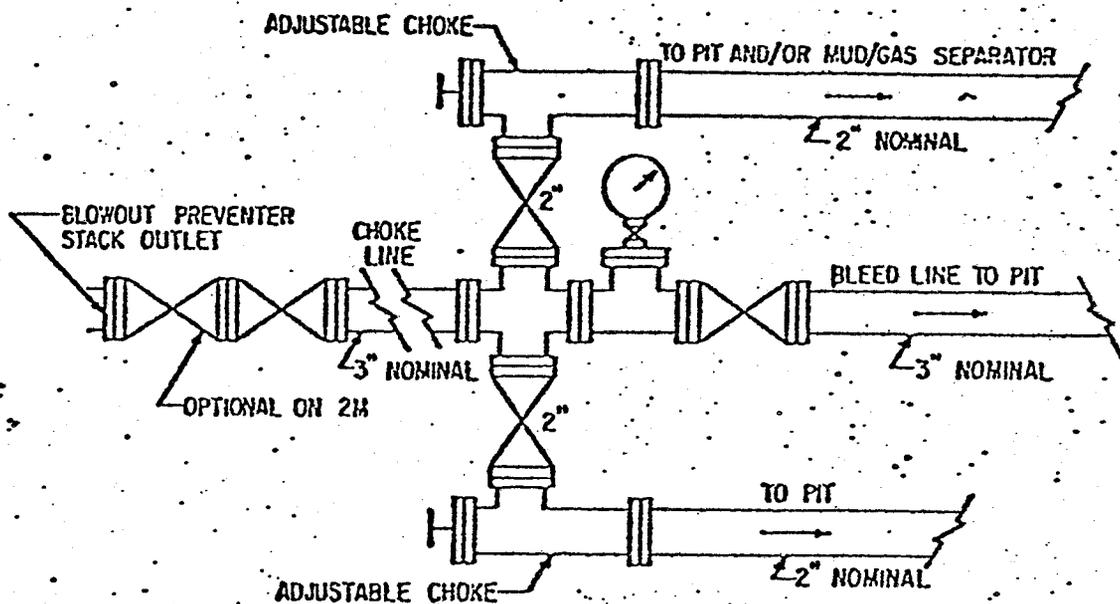


FIG. 3.A.1

TYPICAL CHOKE MANIFOLD ASSEMBLY
 FOR 2M AND 3M RATED WORKING
 PRESSURE SERVICE — SURFACE INSTALLATION

MULTIPOINT SURFACE USE AND OPERATIONS

SKYLINE OIL COMPANY

MUSTANG UNIT # 2 WELL

1530' FWL & 660' FSL Sec. 26, T. 36 S., R. 23 E.
SAN JUAN COUNTY, UTAH

1. Existing Roads - Exhibit "A"

The attached Exhibit "A" shows the well site as staked and its position relative to existing roads, planned access road, and topography.

All existing roads are shown on Exhibit "A".

All county roads are maintained and are all-weather roads.

No maintenance or improvements to existing county roads are planned. Grading will be done if necessary.

2. Planned Access Road:

The attached Exhibit "A" shows the planned access road in red. The existing service road and the Access road will be improved as necessary. The Access road will be 20' wide and approximately 6,000' long. No fences or cattleguards will be required. Culverts will be installed where required. If a permanent road is required, surface will be elevated, crowned, ditched and drainage installed as needed. Surfacing material will be gravel obtained through commercial sources.

3. Location of Existing Wells:

The only known existing well within a two-mile radius of the proposed location is the Mustang Unit # 1 well shown on Exhibit "A".

4. Location of Existing and/or Proposed Facilities - Exhibit "B"

Lessee has existing facilities within a one-mile radius of the proposed location on the Mustang Unit # 1 well location.

The proposed production facilities layout is shown on attached Exhibit "B" at a 1" = 50' scale. All production equipment, production pit and burn pit will be fenced. Two 500 barrel production tanks will be inside a 50' x 30' x 4.5' earthen retaining wall to prevent contamination in the unlikely event of a tank rupture. All flowlines will be buried and have working pressures exceeding the highest pressure anticipated for their use.

The disturbed area not required for production operations will be restored in such a manner as practical, to conform to the original topography. Top soil will be redistributed evenly to the disturbed unused area and re-seeded as per Bureau of Land Management requirements.

5. Location and Type of Water Supply:

Water used for drilling and completion operations will be obtained from a private pond 4 miles south of Blanding, Utah.

6. Source of Construction Materials:

No construction materials not available at the drill site or along the access route will be required during drilling operations other than gravel. Gravel will be purchased through the surface contractor.

No access roads other than that leading from the county road to the drill site as shown on Exhibit "A" will be required.

7. Methods of Handling Waste Disposal:

Drill cutting, water, drilling fluids, etc., created by drilling operations will be placed in the reserve pit. When sufficient time has elapsed for liquid wastes in pits to dry, pits will be backfilled as close to original contour as possible, topsoil spread and re-seeded as per Bureau of Land Management requirements.

Sewage disposal will be by means of self-contained chemical toilets and disposed in an approved sanitary land fill.

Trash baskets will be used to contain trash with disposal in an approved sanitary land fill.

Produced fluids will be stored in tanks and trucked from location; oil to the pipeline transfer point; and water to an approved disposal well or a drilling well.

8. Ancillary Facilities:

None are planned.

9. Wellsite Layout - Exhibits "C" & "D"

Attached Exhibit "C" is a schematic of the drilling layout. Exhibit "D" is the cross-sections of the proposed location showing amounts of cut and fill required. Reserve pit will be lined with bentonite if required.

10. Plans For Restoration of Surface:

The reserve pit and unused surface will be restored and contoured as close as practical to original topography.

Unused disturbed lands will be covered by stockpiled top soil and re-seeded according to Bureau of Land Management requirements.

Pits will be fenced immediately upon rig release and maintained until restored.

Any oil in pits will be removed and pits will be overhead flagged.

Rehabilitation will begin as soon as practical after rig move-out and will be completed when pits have dried and the season allows re-seeding.

11. Other Information:

Vegetation consists of sagebrush, juniper, pinion pine, and assorted native grasses. Fauna includes deer, rabbits, assorted lizards not exceeding 12 inches in length, and various flying and crawling insects.

The leasehold acreage is Federal with surface administered by the Bureau of Land Management.

Grazing is the only surface use activity in the immediate area of the location.

No dwellings of any type exist in the area and no archeological, historical or cultural site will be disturbed by the proposed operations.

12. Lessee's or Operator's Representative:

Operator's representatives for drilling and completion operations will be:

Mr. Michael D. Anderson
Mr. Reed G. Spjut
c/o Skyline Oil Company
2000 University Club Building
Salt Lake City, Utah 84111

Telephone: (801) 521-3500

13. Certification:

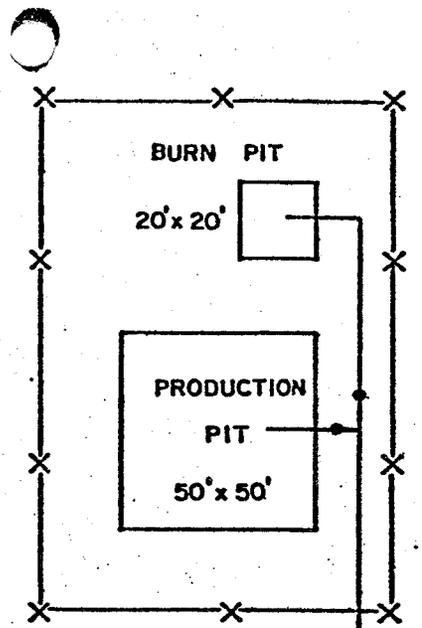
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and that the work associated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


Michael D. Anderson,
Senior Petroleum Engineer

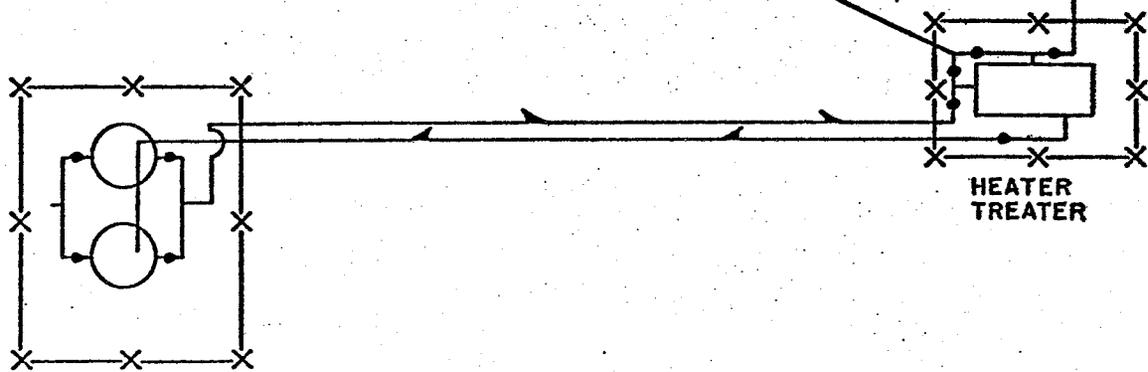
SKYLINE OIL COMPANY
MUSTANG UNIT #2
SE SW SEC. 26
T.36 S., R.23 E., SLB&M
SAN JUAN COUNTY, UTAH

PROPOSED FACILITIES

SSE



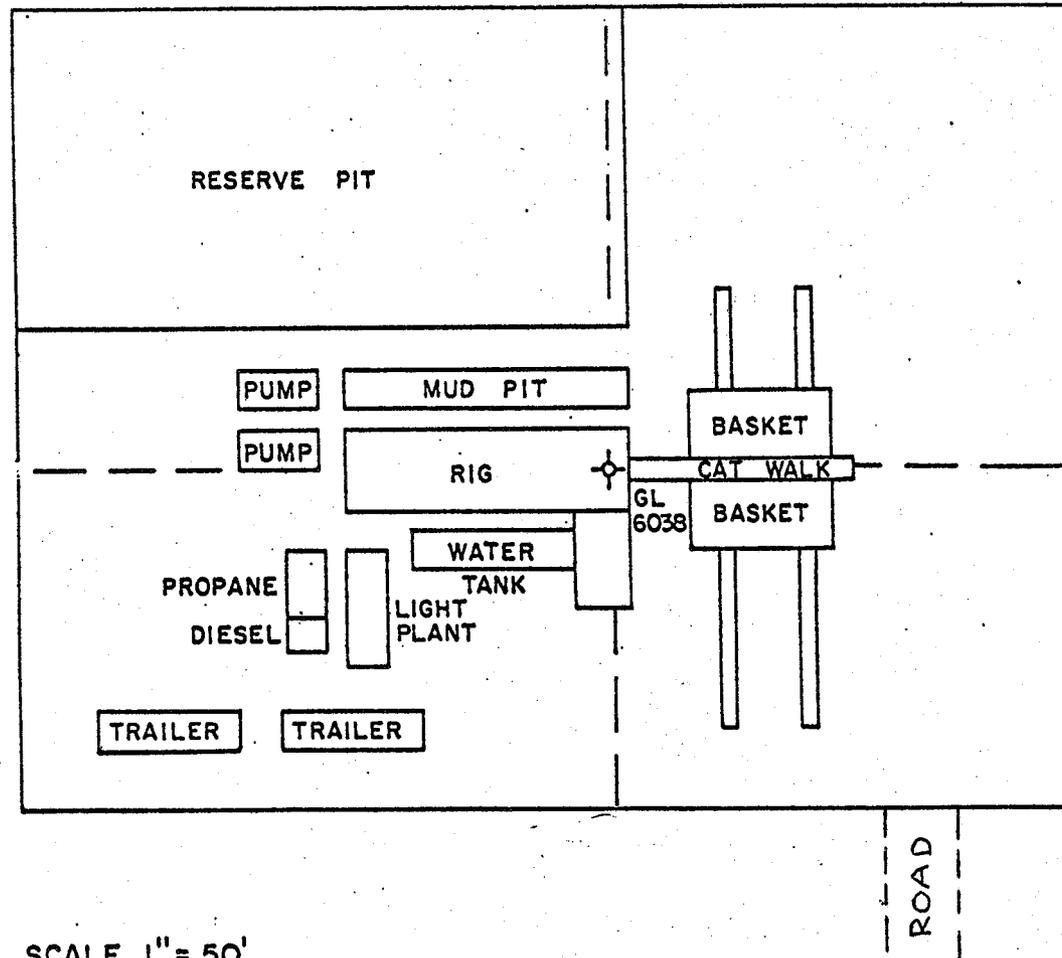
WELL



SCALE 1" = 50'

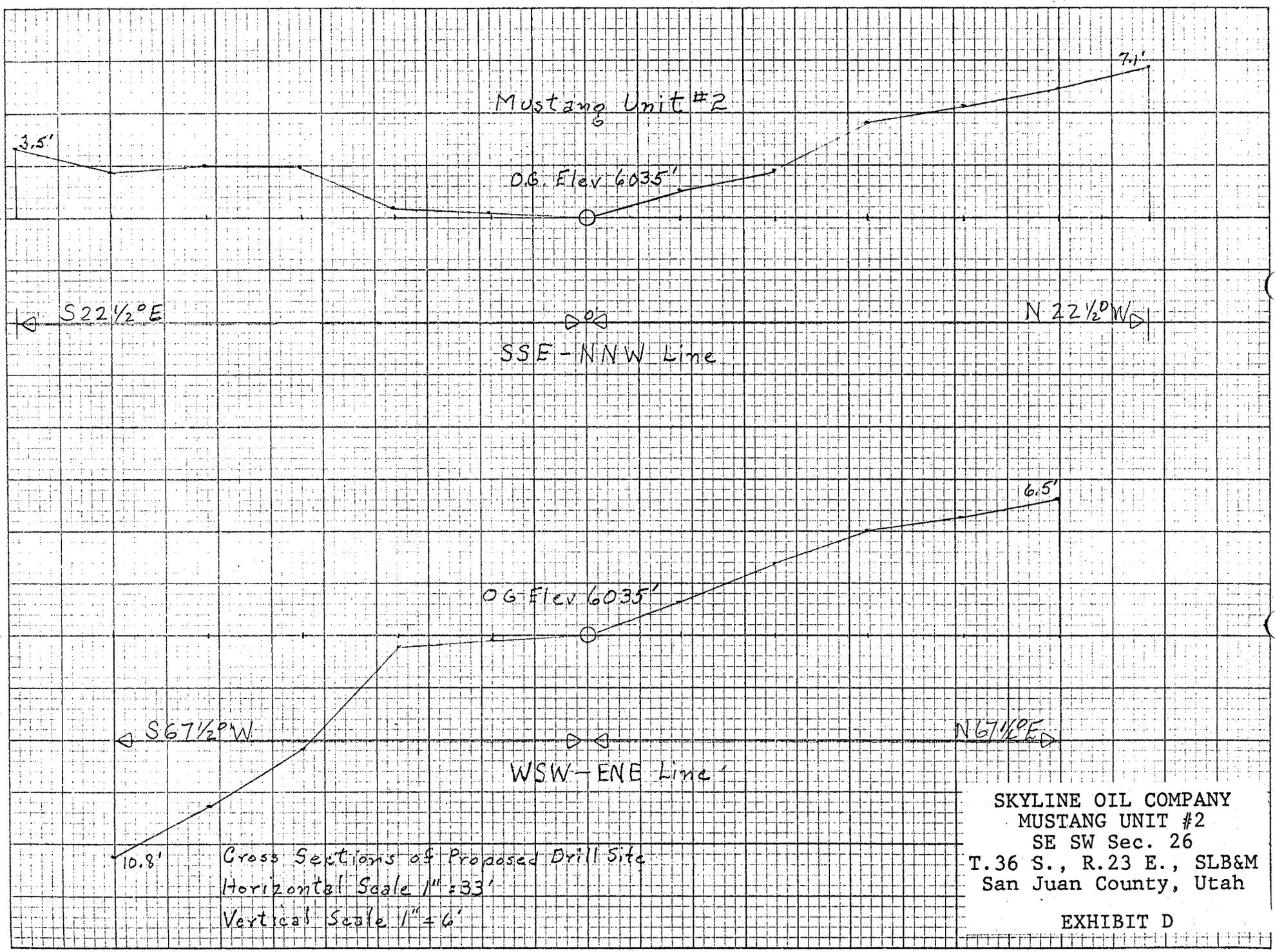
EXHIBIT "B"

SKYLINE OIL COMPANY
MUSTANG UNIT ^{NO.} 2
SITE PLAN



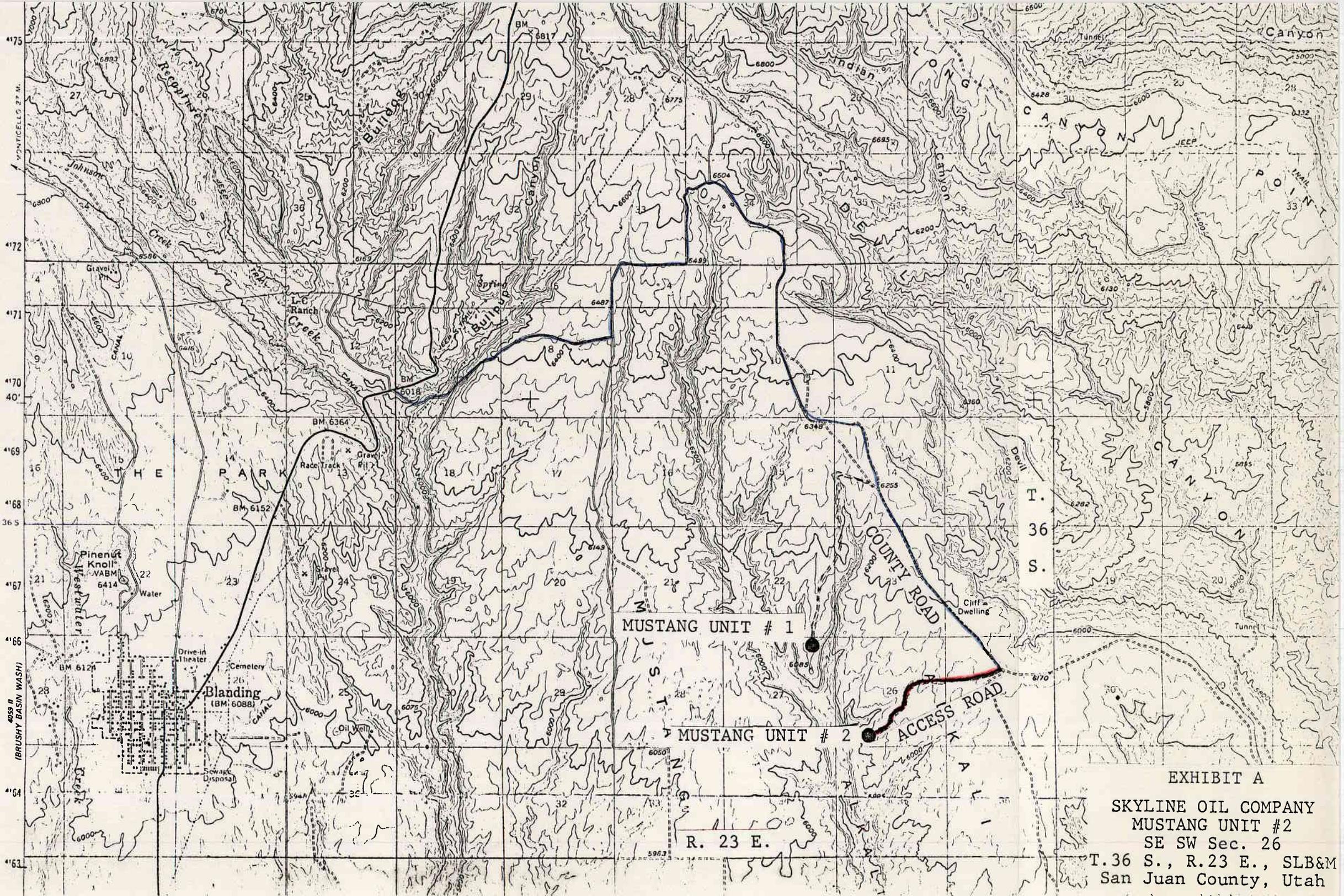
SCALE 1" = 50'

EXHIBIT "C"



SKYLINE OIL COMPANY
MUSTANG UNIT #2
SE SW Sec. 26
T.36 S., R.23 E., SLB&M
San Juan County, Utah

EXHIBIT D



MUSTANG UNIT # 1

MUSTANG UNIT # 2

ACCESS ROAD

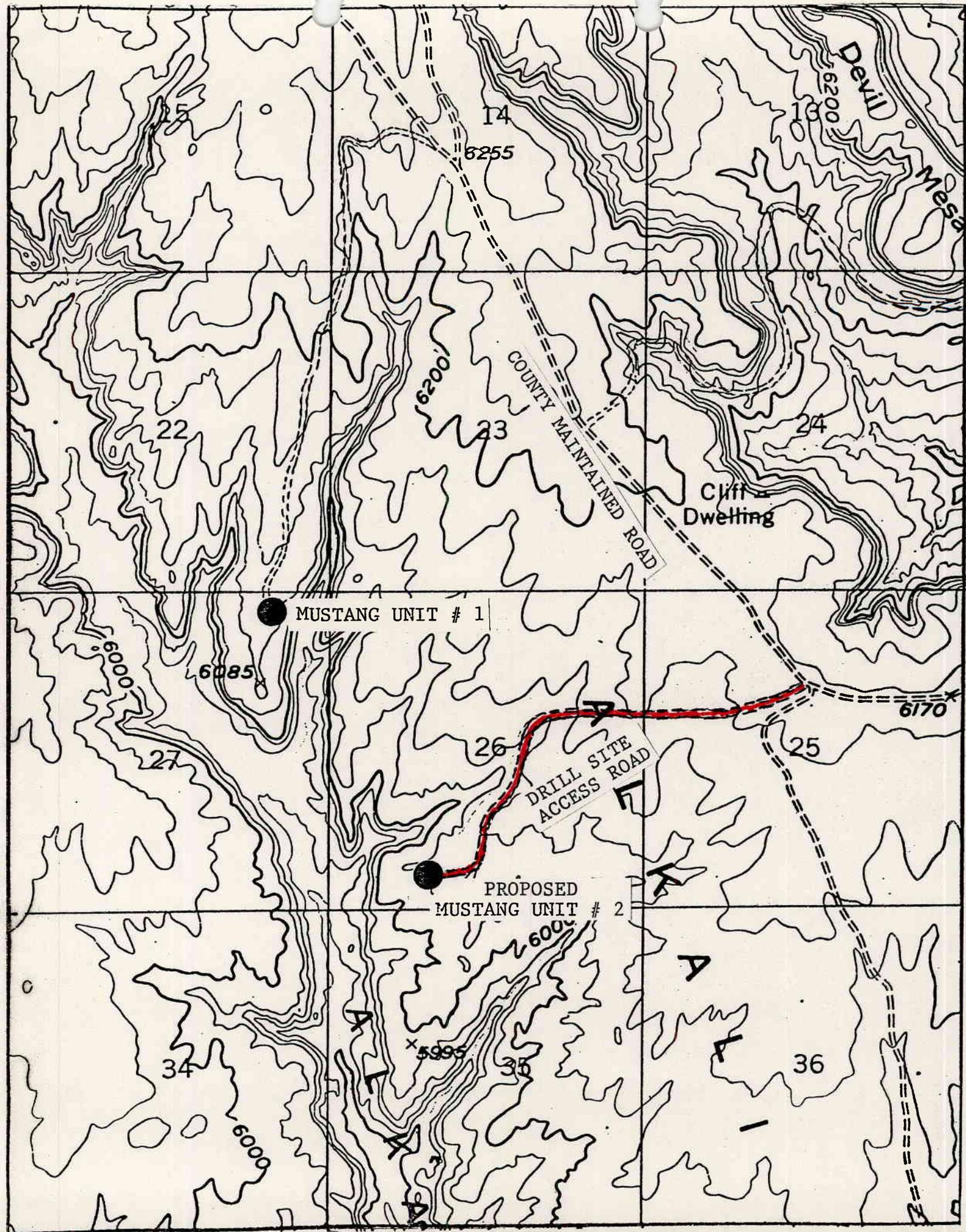
COUNTY ROAD

EXHIBIT A

SKYLINE OIL COMPANY
MUSTANG UNIT #2
SE SW Sec. 26

T.36 S., R.23 E., SLB&M
San Juan County, Utah

R. 23 E.



TOWNSHIP 36 SOUTH, RANGE 23 EAST
SAN JUAN COUNTY, UTAH

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

August 13, 1982

Memorandum

To: Minerals Management Service, Salt Lake City, Utah
From: Area Manager, San Juan
Subject: Skyline's Mustang Unit No. 2 (U-20024)

We concur with approval of the Application for Permit Drill, provided the enclosed amendments to the Surface Use Plan are included in the approval.

The archaeological requirement has been fulfilled. No threatened or endangered species are indicated.

/s/ Robert E. Tenn

Enclosure
Surface Use Reclamation Procedures

NOTING

cc:
Minerals Management Service, Durango, Colorado

RECEIVED
AUG 16 1982

MINERALS MANAGEMENT SERVICE
DURANGO, CO

Construction:

1. The operator or his contractor will contact the San Juan Resource Area Office in Monticello, Utah, (801) 587-2201, 48 hours before beginning any work on public land.
2. The operator will give the dirt contractor a copy of the Surface Use Plan and any additional BLM stipulations before any work.
3. The San Juan County Road Department (801-587-2231, ext. 43), will be contacted before county roads are used.
4. Use of water for this operation will be approved by obtaining a temporary use permit from the Utah State Engineer (801) 647-1303 and by receiving permission from the land owner or surface managing agency to use the land containing the water source.
5. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they are subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs. Three archaeological sites will be avoided by following flagged detours.
6. Wherever an existing road is by-passed by new construction, the old road will be blocked.
7. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.
8. The top six inches of soil material will be removed from the location and stockpiled separate from the trees on all practical sides. Topsoil along the access will be reserved in place.
9. At least half of the reserve pit capacity will be in cut.
10. Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.
12. A burning permit will be required before burning trash between May 1 and October 31. This can be acquired by contacting the State Fire Warden, John Baker, at (801) 587-2705.

Reclamation:

1. Immediately on completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of two feet of compacted soil.

2. The operator or his contractor will contact the BLM office in Monticello, Utah, (801) 587-2201, 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
3. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
4. The stockpiled topsoil will be spread evenly over the disturbed area.
5. All disturbed areas will be scarified with the contour to a depth of 12 inches.
6. Water bars will be built as follows to control erosion.

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 feet
2-4%	Every 100 feet
4-5%	Every 75 feet
5+%	Every 50 feet

7. Seed will be broadcast between October 1 and February 28 with the following prescription. When broadcast seeding, a harrow or similar implement will be dragged over the seeded area to assure seed cover.

2 lbs/acre Indian ricegrass (Oryzopsis hymenoides)
 2 lbs/acre Fourwing saltbush (Atriplex canescens)
 1 lb/acre Cliffrose (Cowania mexicana)
 3 lbs/acre Crested wheatgrass (Agropyron desertorum)

8. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.

Production:

1. Enough topsoil will be kept to reclaim the remainder of the location at a future date.
2. All above-ground production facilities will be painted a neutral color to be approved by the BLM.
3. The access shall be upgraded to BLM Class III road specifications.

SKYLINE 
Oil Company

A TEXAS EASTERN COMPANY

August 18, 1982

Mr. Cleon B. Feight
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re Application for Permit to Drill Skyline Oil
Company's Proposed Mustang Unit #2, San Juan
County, Utah

Dear Sir:

Please find attached the Application for Permit to Drill Skyline Oil Company's Proposed Mustang Unit Well No. 2, SE SW Sec. 26, T. 36 S., R. 23 E., San Juan County, Utah. Your consideration of this Application is appreciated.

Very truly yours,



Michael D. Anderson
Senior Petroleum Engineer

Enclosure

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AUG 20 1982

DIVISION OF
OIL, GAS & MINING

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

5. Lease Designation and Serial No.
U-20024

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name
MUSTANG UNIT

8. Farm or Lease Name
MUSTANG UNIT

9. Well No. 2

10. Field and Pool, or Wildcat
Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area
Sec. 26, T. 36S., R. 23E., SLB&M

12. County or Parrish 13. State
San Juan Utah

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
SKYLINE OIL COMPANY

3. Address of Operator
2000 University Club Building, S.L.C., Utah 84111

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface 1530' FWL & 660' FSL Sec. 26, T.36S., R.23E., SLB&M

At proposed prod. zone Same

14. Distance in miles and direction from nearest town or post office*
6 miles east of Blanding, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. line, if any)
660'

16. No. of acres in lease
320

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.
3085'

19. Proposed depth
6500'

20. Rotary or cable tools
Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
6035' GR

22. Approx. date work will start*
Sept. 1, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
16"	13-3/8"	48#	30'	Redi Mix
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8-3/4"	7"	20-26#	6500'	700 sx

See attached Federal Application for Permit to Drill for additional data.

RECEIVED
AUG 20 1982

DIVISION OF
OIL, GAS & MINING

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24. Signed Michael D. Anderson Title Senior Petroleum Engineer Date 8-18-82

(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date

Conditions of approval, if any:

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MINERALS MANAGEMENT SERVICE
OIL & GAS OPERATIONS RECEIVED

MINERALS MANAGEMENT SERVICE
OIL & GAS OPERATIONS RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN SALT LAKE PLUG BACK

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

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3. ADDRESS OF OPERATOR
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 3,085'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6035 GR

5. LEASE DESIGNATION AND SERIAL NO.
 U-20024

6. IF INDIAN, ALLOTTEE OR TRIBE
 AUG 9 1982

7. UNIT AGREEMENT NAME
 MUSTANG UNIT

8. FARM OR LEASE NAME

9. WELL NO.
 MUSTANG UNIT #2

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 26, T. 36S., R. 23E., SLM

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

16. NO. OF ACRES IN LEASE
 32.9

19. PROPOSED DEPTH
 6500'

20. ROTARY OR CABLE TOOLS
 Rotary

17. NO. OF ACRES ASSIGNED THIS WELL
 80

22. APPROX. DATE WORK WILL START*
 Sept. 1, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
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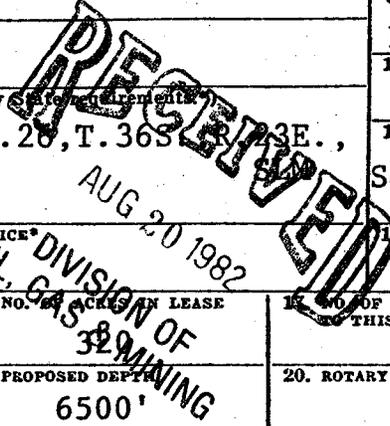
PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY WJ Martin E. W. Guynn
 CONDITIONS OF APPROVAL, IF ANY: _____ TITLE District Oil & Gas Supervisor DATE AUG 19 1982

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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

*See Instructions On Reverse Side



State O & G

Identification No. 460-82

United States Department of the Interior
~~Geological Survey~~ MMJ
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

MINERAL'S MANAGEMENT
SERVICE
OIL & GAS OPERATIONS
RECEIVED
AUG 18 1982
SALT LAKE CITY, UTAH

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Skyline Oil Company
Project Type dual zone exploration oil/gas well
Project Location 660' FSL / 1530' FWL, sec. 26, T. 36 S., R. 23 E.,
Well No. 2 MUSTANG UNIT Lease No. U-20024
Date Project Submitted _____

Sandwich
County
Utah

FIELD INSPECTION

Date August 4, 1982

Field Inspection
Participants

Carl Hunt - Hunt Construction
Terry Clawson / Reed Spjut - Skyline Oil Co.
Brian Wood - TRM
Don Englishman - MMS

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.

August 4, 1982
Date Prepared

Donald Englishman
Environmental Scientist

I concur

AUG 18 1982

Date

[Signature]

District Supervisor

FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

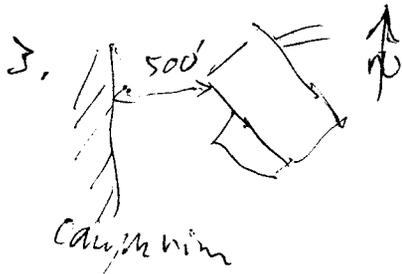
Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety						✓4	✓		
2. Unique charac- teristics							✓		
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. Water source from private source 4 miles south of Blanding, Utah
2. Location not changed as stated (duddy onsite)



Date _____

EA No. 460-82

CER/EA Pre-Drill Environmental Evaluation

Inspection date(s): August 4 1982

Project Location: SPYLINE OIL CO. 2 MUSTANG UWD
(operator) (well no.)
660 'FSL, 1530 'F L, SE SW (1/4 1/4)
Sec. 26, T. 36 S., R. 23 E., San Juan County, Utah

Environmental Criteria

1. Public health and safety:

Impacts to local environment by rig/equipment - NO

Impacts by environment to rig/equipment - NO

Safety hazards - NO

Misc. impacts - NO

Determination - (negligible/adverse effect)

Effect: (Significance) _____

Alternatives - _____

2. Unique characteristics:

Wilderness Study Area? No X Yes _____ (Number) _____

Historic or Cultural Resources? No X Yes _____ (arch. report) _____

Park, Recreation, and/or Refuge? No X Yes _____ (describe) _____

Wild and Scenic Rivers? No X Yes _____ (Identify) _____

Sole or Principal Drinking Water Aquifers? No X Yes _____ (ME report)

Prime Farmlands? No X Yes _____ (Describe, D of A report) _____

Wetlands, Floodplains? No X Yes _____ (10, 50, 100/yr? _____, Corp
of Engineers 404 permit? _____ WRC guidelines)

Ecologically Significant/Critical Areas? No X Yes _____ (i.e.
winter range, strutting, spawning, breeding, fawning grounds?;
range study area?; Nat'l Register of Historic Landmarks?;
visual resource area?)

Other - _____

Determination - (negligible/adverse effect)

Alternatives - _____

3. Environmentally Controversial:

Source of controversy - _____

Issues - _____

Facts - _____

Alternatives - _____

Decisions (if any) - _____

4. Uncertain and Unknown Risks: (Refer to APD, ME)

H2S potential - (ME report, well histories) NO

High pressures - NO

Landslides/slumps - NO

Unstable soils - (soil surveys) NO

Severe topography - (slope %, % side slopes, rim rock, etc) NO

Flash flood hazard - NO

Lost circulation potential - (history of wells in area, peculiar geologic features, ie, shear zones) NO

Potential fresh water aquifers - (ME report, extension of surface casing, use of intermediate casing, protection requirements)

Zones of other mineral deposits - (ME report, protection requirements) - NO

Buried pipelines, water lines, cable - NO

Overhead power/telephone lines - NO

Irrigation channel(s) - NO

Determination - (negligible/adverse effect)

Alternatives - _____

5. Establishes precedent:

Nature of precedent - (ie, first well drilled in Nat'l Recreation Area, significance, effects) NO

Determination - (negligible/adverse effect)

Alternatives - _____

6. Cumulatively significant:

Will the addition of this one well and access route when weighed against all currently existing environmental conditions, be cumulatively significant enough to be considered as constituting a major federal action? No X Yes _____

Determination - negligible

Significance - _____

Alternatives - _____

7. Adversely affects properties listed or eligible for listing in the national register of historic places: No Yes arch report

Determination: negligible

Significance: _____

Alternatives: _____

8. Affect a species listed or proposed to be listed on the List of Endangered or Threatened Species: no

Effect: _____

Determination: (negligible/adverse effect)

Significance: _____

Alternatives: _____

9. Threaten to violate a Federal, State, local or tribal law or requirements imposed for the protection of the environment or which require compliance with Executive Order 11988 (Floodplains Management), Executive Order 11990 (Protection of Wetlands), or the Fish and Wildlife Coordination Act: no

Effect: _____

Determination: (negligible/adverse effect)

Significance: _____

Site - specific stipulations (Mitigating measures designed to reduce/eliminate adverse environmental effects)

See APD Stips

EA Determination: No Yes

** FILE NOTATIONS **

DATE: 8-25-82

OPERATOR: Skyline Oil

WELL NO: Mustang Unit #2

Location: Sec. SESW 26 T. 36S R. 23E County: San Juan

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-037-30807

CHECKED BY:

Petroleum Engineer: _____

Director: _____

Administrative Aide: JK Unit well [Signature]

APPROVAL LETTER:

Bond Required: FED

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.

August 27, 1982

Skyline Oil Company
2000 University Club Bldg.
Salt Lake City, Utah 84111

RE: Well No. Mustang Unit #2
SESW Sec. 26, T. 36S, R. 23E
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-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:

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

OR

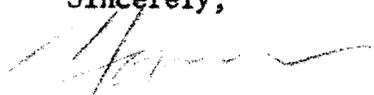
CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

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

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

The API number assigned to this well is 43-037-30807.

Sincerely,



Norman C. Stout
Administrative Assistant

NCS/as
cc: Minerals Management Service
Enclosure

NOTICE OF SPUD

Company: Skylone Oil Company

Caller: Mike Anderson

Phone: _____

Well Number: #2

Location: SESW 26-36S-23E

County: San Juan State: Utah

Lease Number: U-20024

Lease Expiration Date: _____

Unit Name (If Applicable): Mustang Unit

Date & Time Spudded: 9-22-82 2:30 A.

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) 12 1/4" hole

Conductor pipe set -

Rotary Rig Name & Number: _____

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: KR

Date: 9-22-82

RECEIVED
SEP 24 1982

DIVISION OF
OIL, GAS & MINING



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

March 16, 1983

Skyline Oil Company
2000 University Club Bldg
Salt Lake City, Utah 84111

Re: Well No. Federal # 11-41
Sec. 11, T. 16S, R. 12E.
Emery County, Utah
(October 1982- February 1983)

Well No. Mustang Unit # 2
Sec. 26, T. 36S, R. 23E.
San Juan County, Utah
(October 1982- February 1983)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf
Enclosure

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

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5. LEASE DESIGNATION AND SERIAL NO.

U-20024

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
MUSTANG UNIT

8. FARM OR LEASE NAME
MUSTANG UNIT

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 26, T.36 S., R.23 E. SLB&M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

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

2. NAME OF OPERATOR
SKYLINE OIL COMPANY

3. ADDRESS OF OPERATOR
2000 University Club Bldg., Salt Lake City, Utah 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1530' FWL & 660' FSL Sec. 26, T.36 S., R.23 E.
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 9-22-82 16. DATE T.D. REACHED 10-15-82 17. DATE COMPL. (Ready to prod.) P & A 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL - 6035' 19. ELEV. CASINGHEAD 6030' (est.)

20. TOTAL DEPTH, MD & TVD 6527' 21. PLUG, BACK T.D., MD & TVD N.A. 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → X 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* P & A 10-16-82 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-FDC-CNL, GR-DIL-SFL, GR-BHC Sonic 27. WAS WELL CORDED Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36	2250	12 1/4"	1400 sx Pozmix 150 sx Class "H"	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) P & A 10-16-82

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)

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

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

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

35. LIST OF ATTACHMENTS
Core description, Deviation Record, Logs & DST Report

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

SIGNED Michael D. Anderson TITLE Sr. Petroleum Engineer DATE 3-21-83

*(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 13: 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	BOTTOM	DESCRIPTION, CONTENTS, ETC.
DST #1	5700'	5746'	IF 30 min. 67-67 psi ISI 60 min. 272 psi FF 60 min. 67-67 psi FSI 120 min. 442 psi
			Shinarump 2852' Moenkopi 2906' Cutler 3173' Hermosa 4750' Upper Ismay 6128' Lower Ismay 6320' Desert Creek 6393' Akah 6464'

SKYLINE 
Oil Company

A TEXAS EASTERN COMPANY

March 22, 1983

State of Utah
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attention: Cari Furse

Dear Ms. Furse:

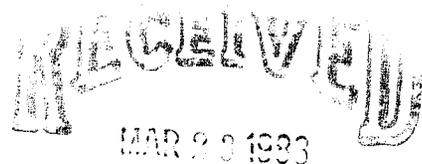
In response to your letter of March 16, 1983, please
find copies of all the data you requested *also - partial* enclosed herewith. Please
excuse the tardiness of this data. We at Skyline Oil Company will
make a concerted effort to be more timely with this information in
the future.

Sincerely,

Michael D. Anderson

Michael D. Anderson,
Senior Petroleum Engineer

Enclosures



DIVISION OF
OIL, GAS & MINING

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

11

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION AND SERIAL NO. U-20024
1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Wildcat		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR SKYLINE OIL COMPANY		7. UNIT AGREEMENT NAME MUSTANG UNIT
3. ADDRESS OF OPERATOR 2000 University Club Bldg., S.L.C., Utah 84111		8. FARM OR LEASE NAME MUSTANG UNIT
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1530' FWL & 660' FSL Sec. 26, T. 36 S., R. 23 E.		9. WELL NO. 2
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 26, T.36 S., R. 23 E., SLB&M
		12. COUNTY OR PARISH 13. STATE San Juan Utah

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

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

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.)*

10-1-82 Drilling @ 4815'.

RECEIVED

MAR 23 1983

DIVISION OF
OIL GAS & MINING

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

SIGNED Michael D. Anderson TITLE Sr. Petroleum Engineer DATE 3-21-83

(This space for Federal or State office use)

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

CORE DESCRIPTIONS

MUSTANG UNIT #2

SAN JUAN COUNTY, UTAH

CORE #1 6142' - 6202'

6142	-	44.6	Sd, vfg, v/lmy, dse.
6144.6	-	45.6	Anhydrite, shaley, slightly sandy.
6145.6	-	48	Shale, dolomitic, slightly sandy, Anhydrite inclusions.
6148	-	49.6	Anhydrite, shale streak.
6149.6	-	52	Lime, shaley, slightly sandy.
6152	-	58	Sand, very fine grain, dolomitic, anhy.
6158	-	62	Sand, very fine grain, dolomitic, shaley, anhy.
6162	-	65.5	Anhydrite
6165.5	-	6202	Anhydrite - not analyzed

CORE #2 6360' - 6420'

6360'	-	81'	Shale, black, micaceous, dolomitic, hard.
6381'	-	92'	Dolomite, dk. grey, fine xln to dense, Faint odor, no visible staining or porosity.
6392'	-	6405'	Anhydrite, grey, occasional shale streaks.
6405'	-	10'	Shale, black, micaceous, dolomitic.
6410'	-	14'	Dolomite, dk. grey, shaley w/thin shale partings.
6414'	-	16'	Shale, black, micaceous, dolomitic.
6416'	-	20'	Not recovered.

RECEIVED
MAR 24 1983

DIVISION OF
OIL GAS & MINING

DEVIATION RECORD

MUSTANG UNIT #2

Sec. 26, T. 36 S., R. 23 E.,
San Juan County, Utah

<u>Depth (feet)</u>	<u>(Deviation (degrees))</u>
65'	$\frac{1}{4}^{\circ}$
971'	$\frac{3}{4}^{\circ}$
1515'	$1\text{-}\frac{3}{4}^{\circ}$
1735'	$1\text{-}\frac{3}{4}^{\circ}$
2250'	$1\text{-}\frac{3}{4}^{\circ}$
2752'	$\frac{1}{2}^{\circ}$
3258'	$\frac{3}{4}^{\circ}$
4204'	$1\text{-}\frac{3}{4}^{\circ}$
4764'	2°
4944'	1°
5485'	$\frac{3}{4}^{\circ}$
6140'	$1\text{-}\frac{3}{4}^{\circ}$
6360'	$\frac{3}{4}^{\circ}$

MR. GEBV
MAR 3 1983

DIVISION OF
OIL, GAS & MINING

RECEIVED
MAR 24 1983

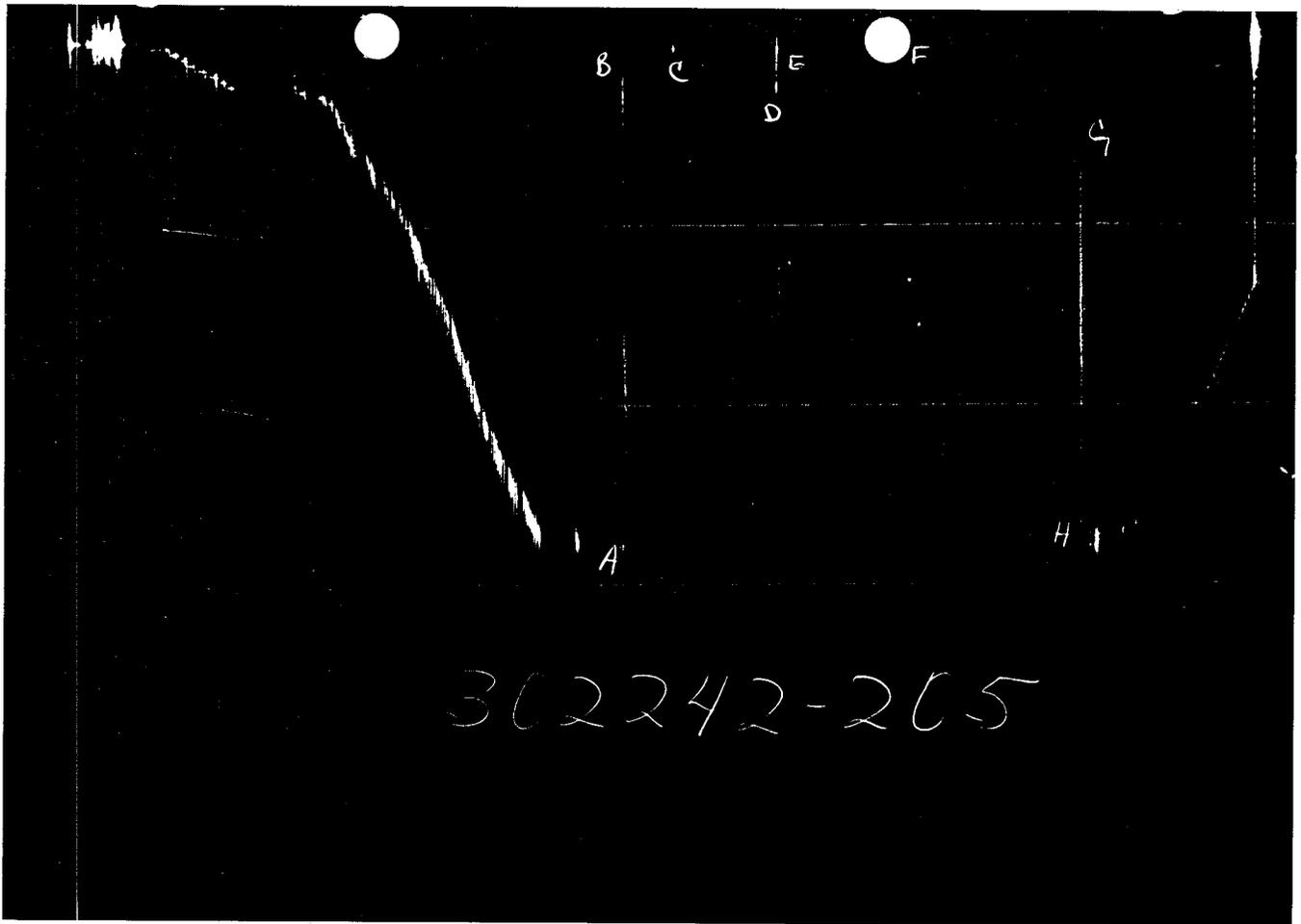
DIVISION OF
OIL GAS & MINING



TICKET NO. 30224200
19-OCT-82
VERNAL

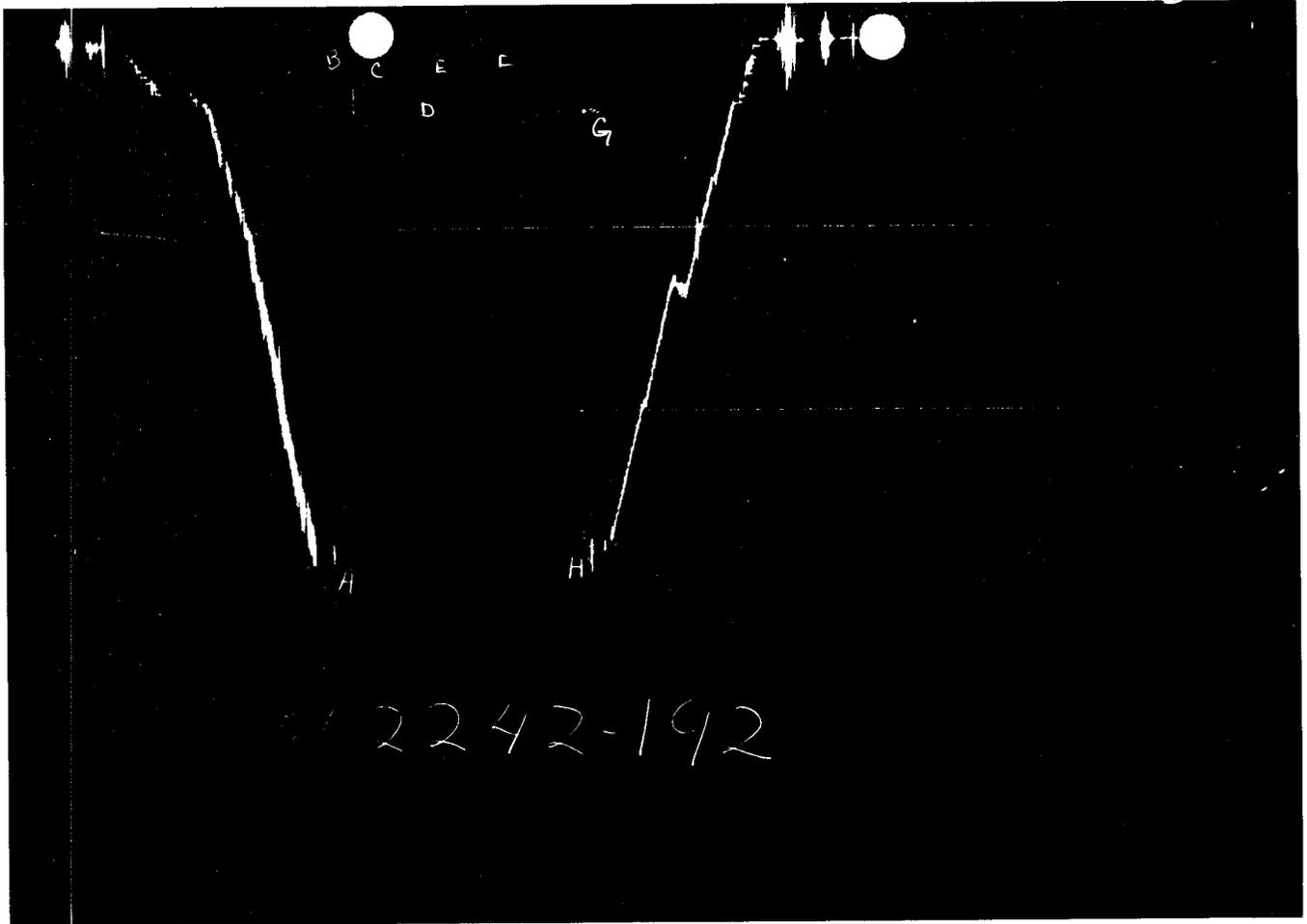
MUSTANG UNIT	2	1	5700.1 - 5746.1	SKYLINE OIL COMPANY
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME
LEGAL LOCATION SEC. - TWP. - RANG.	26-36S-23E	FIELD AREA	WILDCAT	COUNTY
				SAN JUAN
				STATE
				UTAH BC/NM

FORMATION TESTING SERVICE REPORT



GAUGE NO: 205 DEPTH: 5677.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2744	2742.9			
B	INITIAL FIRST FLOW	41	45.0			
C	FINAL FIRST FLOW	41	43.2	30.0	30.0	F
C	INITIAL FIRST CLOSED-IN	41	43.2			
D	FINAL FIRST CLOSED-IN	259	252.2	60.0	60.5	C
E	INITIAL SECOND FLOW	41	42.4			
F	FINAL SECOND FLOW	41	49.3	60.0	59.6	F
F	INITIAL SECOND CLOSED-IN	41	49.3			
G	FINAL SECOND CLOSED-IN	341	416.5	120.0	120.0	C
H	FINAL HYDROSTATIC	2744	2742.2			



GAUGE NO: 192 DEPTH: 5743.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2758	2770.4			
B	INITIAL FIRST FLOW	67	65.7			
C	FINAL FIRST FLOW	67	64.7	30.0	30.0	F
C	INITIAL FIRST CLOSED-IN	67	64.7			
D	FINAL FIRST CLOSED-IN	296	272.1	60.0	60.5	C
E	INITIAL SECOND FLOW	67	69.6			
F	FINAL SECOND FLOW	67	76.8	60.0	59.6	F
F	INITIAL SECOND CLOSED-IN	67	76.8			
G	FINAL SECOND CLOSED-IN	429	442.1	120.0	120.0	C
H	FINAL HYDROSTATIC	2758	2770.4			

EQUIPMENT & HOLE DATA

FORMATION TESTED: _____
 NET PAY (ft): _____ 14.0
 GROSS TESTED FOOTAGE: _____ 46.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): _____ 8.750
 ELEVATION (ft): _____ 0
 TOTAL DEPTH (ft): _____ 5746.0
 PACKER DEPTH(S) (ft): 5692, 5700
 FINAL SURFACE CHOKE (in): _____ 0.125
 BOTTOM HOLE CHOKE (in): _____ 0.750
 MUD WEIGHT (lb/gal): _____ 9.10
 MUD VISCOSITY (sec): _____ 42
 ESTIMATED HOLE TEMP. (°F): _____
 ACTUAL HOLE TEMP. (°F): 122 @ 5742.0 ft

TICKET NUMBER: 30224200
 DATE: 10-6-82 TEST NO: 1
 TYPE DST: OPEN HOLE
 HALLIBURTON CAMP: _____
VERNAL
 TESTER: _____
R. RIPPLE
 WITNESS: _____
TERRY CROWSON
 DRILLING CONTRACTOR: _____
FOUR CORNERS # 11

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
MUD PIT	<u>1.580 @ 50 °F</u>	<u>3030 ppm</u>
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

SAMPLER DATA

Psig AT SURFACE: _____ 100
 cu.ft. OF GAS: _____ 0.72
 cc OF OIL: _____ 0
 cc OF WATER: _____ 0
 cc OF MUD: _____ 600
 TOTAL LIQUID cc: _____ 600

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ _____ °F
 GAS/OIL RATIO (cu.ft. per bbl): _____
 GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED:

125 FEET OF DRILLING MUD, SLIGHTLY GAS CUT

MEASURED FROM
TESTER VALVE

REMARKS:

UNABLE TO CALCULATE DUE TO INSUFFICIENT HYDROCARBON PRODUCTION FOR A RELIABLE PRODUCTION RATE AND INSUFFICIENT CLOSURE TIME IN EACH OF THE CLOSED IN PRESSURE PERIODS FOR A RELIABLE EXTRAPOLATION.

TICKET NO: 30224200
 CLOCK NO: 4203 HOUR: 12



GAUGE NO: 205
 DEPTH: 5677.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	45.0			
C 2	30.0	43.2	-1.8		
FIRST CLOSED-IN					
C 1	0.0	43.2			
2	1.0	45.2	2.0	0.9	1.509
3	2.0	48.4	5.2	1.9	1.206
4	3.0	52.9	9.7	2.7	1.046
5	4.0	57.1	13.9	3.5	0.931
6	5.0	61.4	18.3	4.3	0.846
7	6.0	65.9	22.8	5.0	0.779
8	7.0	69.3	26.2	5.6	0.725
9	8.0	73.6	30.4	6.3	0.678
10	9.0	77.7	34.5	6.9	0.638
11	10.0	82.0	38.8	7.5	0.603
12	12.0	89.1	45.9	8.6	0.545
13	14.0	97.4	54.2	9.6	0.496
14	16.0	104.2	61.0	10.4	0.458
15	18.0	112.4	69.2	11.3	0.425
16	20.0	119.5	76.3	12.0	0.397
17	22.0	126.0	82.8	12.7	0.374
18	24.0	133.4	90.2	13.3	0.352
19	26.0	140.1	96.9	13.9	0.333
20	28.0	147.5	104.4	14.5	0.316
21	30.0	154.4	111.2	15.0	0.301
22	35.0	171.9	128.7	16.2	0.268
23	40.0	188.1	145.0	17.1	0.243
24	45.0	204.9	161.7	18.0	0.222
25	50.0	220.6	177.4	18.7	0.204
26	55.0	236.2	193.1	19.4	0.189
D 27	60.5	252.2	209.0	20.0	0.175
SECOND FLOW					
E 1	0.0	42.4			
2	10.0	49.0	6.7		
3	20.0	50.3	1.2		
4	30.0	50.3	0.0		
5	40.0	48.9	-1.4		
6	50.0	48.9	0.0		
F 7	59.6	49.3	0.4		
SECOND CLOSED-IN					
F 1	0.0	49.3			
2	1.0	53.1	3.8	1.0	1.940
3	2.0	57.9	8.6	2.0	1.659
4	3.0	62.3	12.9	2.9	1.491

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
5	4.0	68.1	18.8	3.9	1.366
6	5.0	73.0	23.7	4.7	1.278
7	6.0	77.8	28.5	5.6	1.202
8	7.0	83.0	33.7	6.5	1.139
9	8.0	86.6	37.3	7.3	1.088
10	9.0	91.4	42.1	8.2	1.039
11	10.0	95.8	46.5	9.0	0.999
12	12.0	104.0	54.6	10.6	0.927
13	14.0	111.6	62.3	12.1	0.870
14	16.0	118.8	69.5	13.5	0.820
15	18.0	125.7	76.4	15.0	0.776
16	20.0	133.8	84.5	16.3	0.739
17	22.0	141.3	92.0	17.7	0.705
18	24.0	148.5	99.2	18.9	0.675
19	26.0	156.1	106.8	20.2	0.648
20	28.0	162.7	113.4	21.3	0.623
21	30.0	170.4	121.1	22.5	0.600
22	35.0	187.3	138.0	25.2	0.551
23	40.0	204.9	155.6	27.6	0.510
24	45.0	220.3	171.0	30.0	0.475
25	50.0	235.6	186.2	32.1	0.446
26	55.0	249.9	200.5	34.1	0.420
27	60.0	264.2	214.9	35.9	0.396
28	70.0	292.4	243.1	39.3	0.358
29	80.0	319.3	270.0	42.2	0.326
30	90.0	344.6	295.2	44.9	0.300
31	100.0	368.0	318.7	47.2	0.278
32	110.0	392.4	343.1	49.4	0.259
G 33	120.0	416.5	367.2	51.3	0.242

REMARKS:

TICKET NO: 30224200
 CLOCK NO: 2290 HOUR: 24



GAUGE NO: 192
 DEPTH: 5743.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	65.7			
C 2	30.0	64.7	-0.9		
FIRST CLOSED-IN					
C 1	0.0	64.7			
2	1.0	68.4	3.6	0.9	1.509
3	2.0	73.5	8.7	1.9	1.196
4	3.0	77.1	12.3	2.7	1.042
5	4.0	81.4	16.6	3.6	0.925
6	5.0	85.1	20.4	4.3	0.843
7	6.0	88.9	24.1	5.0	0.779
8	7.0	93.2	28.4	5.7	0.722
9	8.0	97.3	32.6	6.3	0.677
10	9.0	100.5	35.8	6.9	0.636
11	10.0	104.6	39.8	7.5	0.602
12	12.0	112.1	47.3	8.6	0.544
13	14.0	120.0	55.2	9.5	0.497
14	16.0	126.9	62.2	10.4	0.458
15	18.0	134.9	70.1	11.3	0.425
16	20.0	142.0	77.2	12.0	0.398
17	22.0	148.9	84.2	12.7	0.373
18	24.0	156.0	91.3	13.3	0.352
19	26.0	162.5	97.7	13.9	0.333
20	28.0	170.1	105.4	14.5	0.316
21	30.0	177.7	113.0	15.0	0.301
22	35.0	193.7	129.0	16.2	0.268
23	40.0	210.9	146.1	17.1	0.243
24	45.0	226.1	161.4	18.0	0.222
25	50.0	242.0	177.2	18.7	0.204
26	55.0	256.6	191.8	19.4	0.189
D 27	60.5	272.1	207.4	20.0	0.175
SECOND FLOW					
E 1	0.0	69.6			
2	10.0	76.8	7.2		
3	20.0	77.7	0.9		
4	30.0	78.4	0.7		
5	40.0	78.4	0.0		
6	50.0	78.4	0.0		
F 7	59.6	76.8	-1.6		
SECOND CLOSED-IN					
F 1	0.0	76.8			
2	1.0	81.0	4.2	1.0	1.949
3	2.0	85.1	8.3	1.9	1.666
4	3.0	90.1	13.3	2.9	1.490

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
5	4.0	93.7	16.9	3.8	1.368
6	5.0	99.3	22.5	4.8	1.274
7	6.0	103.4	26.5	5.6	1.201
8	7.0	108.4	31.6	6.5	1.137
9	8.0	112.2	35.4	7.4	1.085
10	9.0	116.9	40.1	8.2	1.037
11	10.0	121.6	44.8	9.0	0.999
12	12.0	130.0	53.2	10.6	0.926
13	14.0	138.2	61.4	12.1	0.870
14	16.0	146.4	69.6	13.5	0.820
15	18.0	153.8	76.9	15.0	0.776
16	20.0	161.1	84.3	16.4	0.738
17	22.0	169.2	92.4	17.7	0.705
18	24.0	176.1	99.3	18.9	0.676
19	26.0	183.2	106.4	20.1	0.648
20	28.0	190.6	113.8	21.3	0.623
21	30.0	198.4	121.6	22.5	0.600
22	35.0	214.9	138.1	25.1	0.551
23	40.0	231.4	154.6	27.6	0.510
24	45.0	246.6	169.8	29.9	0.476
25	50.0	262.1	185.3	32.1	0.446
26	55.0	276.5	199.7	34.1	0.420
27	60.0	290.9	214.1	35.9	0.397
28	70.0	319.7	242.9	39.3	0.358
29	80.0	346.4	269.6	42.3	0.326
30	90.0	371.8	295.0	44.9	0.300
31	100.0	396.0	319.2	47.2	0.278
32	110.0	420.1	343.3	49.4	0.259
G 33	120.0	442.1	365.3	51.3	0.242

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	4982.0	
4		FLEX WEIGHT.....	4.500	3.250	59.0	
3		DRILL COLLARS.....	6.500	2.250	559.0	
50		IMPACT REVERSING SUB.....	6.000	2.875	1.0	5601.0
3		DRILL COLLARS.....	6.500	2.250	62.0	
5		CROSSOVER.....	6.250	2.875	1.2	
13		DUAL CIP SAMPLER.....	5.000	0.750	6.8	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	5675.0
80		AP RUNNING CASE.....	5.000	3.060	4.1	5677.0
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	2.8	
70		OPEN HOLE PACKER.....	7.750	1.530	5.8	5692.0
18		DISTRIBUTOR VALVE.....	5.000	1.680	2.0	
70		OPEN HOLE PACKER.....	7.750	1.530	5.8	5700.0
20		FLUSH JOINT ANCHOR.....	5.750	2.870	40.0	
81		BLANKED-OFF RUNNING CASE.....	5.750	2.500	4.1	5743.0
TOTAL DEPTH					5746.0	

EQUIPMENT DATA

orig. M. Yared
K.C. M. Anderson

Bureau of Land Management
Branch of Fluid Minerals (U-922)
324 South State Street
Salt Lake City, Utah 84111-2303

022404

February 6, 1987

Samedan Oil Corporation
1616 Glenarm Place
Suite 2550
Denver, Colorado 80202

L. M. TURNER
FEB 9 1987

Land & Property Admin.

Re: Successor of Operator
Mustang Unit
San Juan County, Utah

Gentlemen:

We received an indenture dated February 1, 1987, whereby Texas Eastern Skyline Oil Company resigned as Operator and Samedan Oil Corporation was designated as Operator for the Mustang Unit Agreement, San Juan County, Utah.

This indenture was executed by all required parties. The signatory parties have complied with Section 6 of the unit agreement. The instrument is hereby accepted effective as of February 6, 1987. Please advise all interested parties of the change in unit operator.

Sincerely,

(Orig. Sgd.) H.A. Lemm

Howard A. Lemm
Chief, Branch of Fluid Minerals

Enclosure

cc: Texas Eastern Skyline Oil Company

FEB 8 1987

BRANCH OF
FLUID MINERALS

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

PA
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> P&A		5. LEASE DESIGNATION AND SERIAL NO. U-20024
2. NAME OF OPERATOR Texas Eastern Skyline Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 022406
3. ADDRESS OF OPERATOR 1775 Sherman Street, Suite 1200, Denver CO 80203		7. UNIT AGREEMENT NAME Mustang
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FSL & 1530' FWL (SE SW) Sec. 26, T36S, R23E		8. FARM OR LEASE NAME Mustang Unit
14. PERMIT NO. API # 43-037-30807	15. ELEVATIONS (Show whether DF, RT, OR, etc.) GL - 6035'	9. WELL NO. 2
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SBC, T, E, M, OR BLK. AND SURVEY OR AREA Sec. 26, T36S, R23E, SLB&M
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

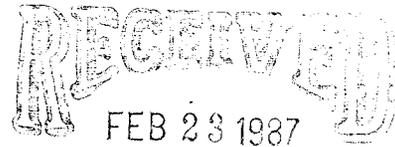
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>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

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.)*

Texas Eastern Skyline Oil Company on January 30, 1987, completed the sale of this property to Samedan Oil Corporation. Effective upon receipt by the BLM of the necessary paperwork, Samedan will assume all rights and obligations as Operator. Samedan's address is:

Samedan Oil Corporation
1616 Glenarm Place, Suite 2550
Denver, Colorado 80202

Attn: Gary Brune



DIVISION OF
OIL, GAS & MINING

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

SIGNED Michael D. Anderson TITLE Manager DATE 2-2-87
(This space for Federal or State office use)

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

*See Instructions on Reverse Side