

RECEIVED
JUN 27 1988

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK
DIVISION OF OIL, GAS & MINING

1A. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
Samedan Oil Corporation (303) 534-0677

3. ADDRESS OF OPERATOR
1616 Glenarm Pl., Suite 2550, Denver, Co. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: **660' FSL & 460' FEL (SESE)**
 At proposed prod. zone: **Same**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
8 air miles ESE of Blanding, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **460'**

16. NO. OF ACRES IN LEASE **480**

17. NO. OF ACRES ASSIGNED TO THIS WELL **40**

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

19. PROPOSED DEPTH **6,500'**

20. ROTARY OR CABLE TOOLS **Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.) **5,914' ungraded ground**

22. APPROX. DATE WORK WILL START* **July 12, 1988**

5. LEASE DESIGNATION AND SERIAL NO.
U-40356

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Hedge Hog

9. WELL NO.
1-12

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
12-37s-23e SLBM

12. COUNTY OR PARISH 18. STATE
San Juan Ut.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24* (K-55, ST&C)	2,250'	*1,100 cu ft or to surface
7-7/8"	5-1/2"	15.5* (K-55, ST&C)	6,500'	*1,200 cu ft or to 3,000'

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.

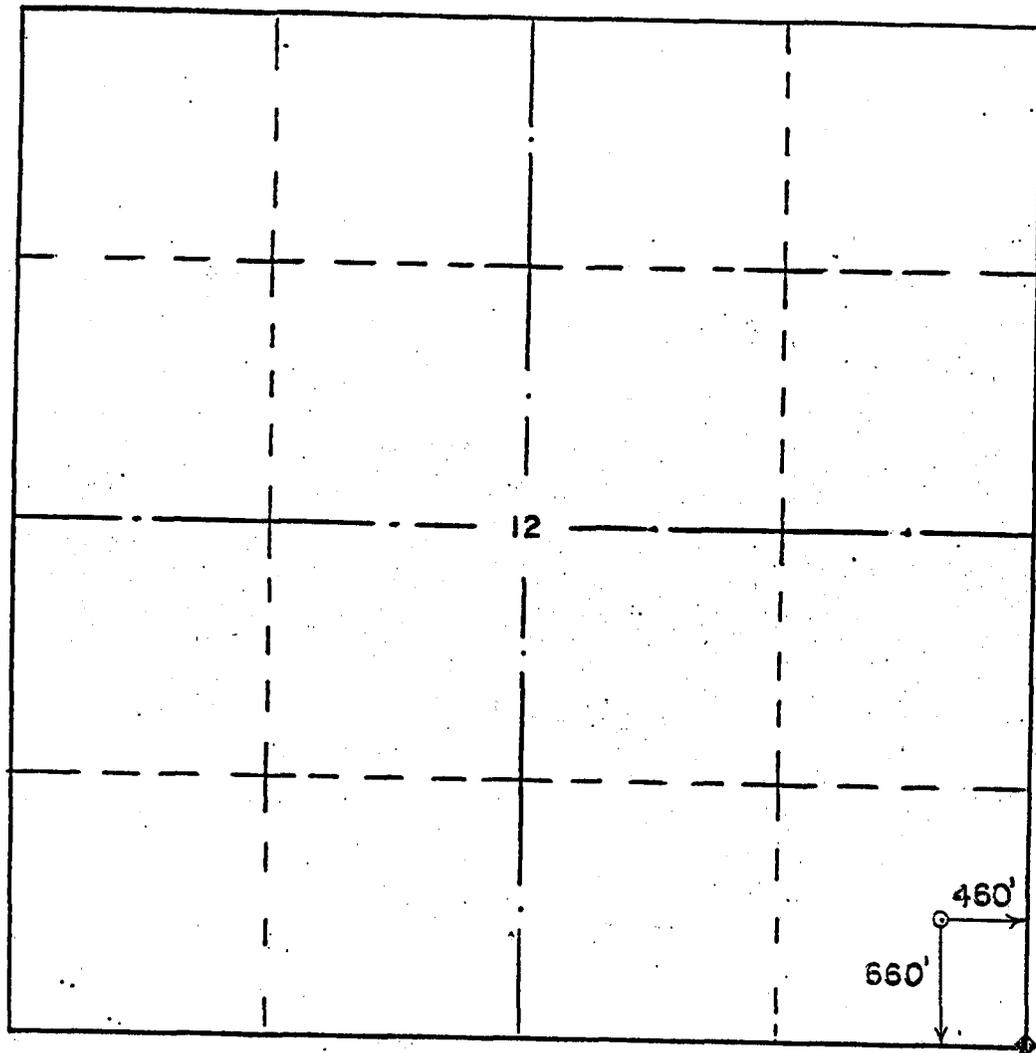
24. SIGNED *Ronan Wood* TITLE **Consultant** DATE **6-24-88**

(This space for Federal or State office use)
 PERMIT NO. **43-037-31441** APPROVAL DATE _____
 APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY: _____

cc: Bureau of Land Management, U.S. Department of the Interior
 APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
 DATE: **7-22-88**
 BY: *[Signature]*
 WELL SPACING: **R6153-2**

*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT



1"=1000'

◆ brass cap

WELL LOCATION DESCRIPTION:

Samedan Oil
Hedge Hog #1-12
660'FSL & 460'FEL
Section 12, T.37 S., R.23 E.,
San Juan County, Utah
5914' ground elevation
Reference: S 75°E., 200', 5909'grd.

The above plat is true and correct to my knowledge and belief.

20 June 1988

REGISTERED LAND SURVEYOR
No. 5705
Gerald G. Huddleston
HUDDLESTON
Gerald G. Huddleston, LS

OPERATOR Samedan Oil Corporation (No 185) DATE 6-27-88

WELL NAME Hedge Hog 1-12

SEC SESE 12 T 37S R 23E COUNTY San Juan

43-037-31441
API NUMBER

Fed.
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:
no other well within 920'
water permit 09-1563 / T63120
RDCC 6/30/88, Process 7-15-88
CONFIDENTIAL
PERIOD
EXPIRED
ON 11-10-89

APPROVAL LETTER:

SPACING: R615-2-3 _____ UNIT

R615-3-2

CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

CONFIDENTIAL RECEIVED
SUBMIT IN TRIPlicate*
(Other instructions on reverse side)
JUL 18 1988

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12. COUNTY OR PARISH | 13. STATE
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24. SIGNED *Ryan Wolf* TITLE **Consultant** DATE **6-24-88**

(This space for Federal or State office use) cc: Bruns (3), MDO (3), SJRA, UDOGM (2)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY /s/Gene Nodine TITLE **District Manager** DATE **7/13/88**

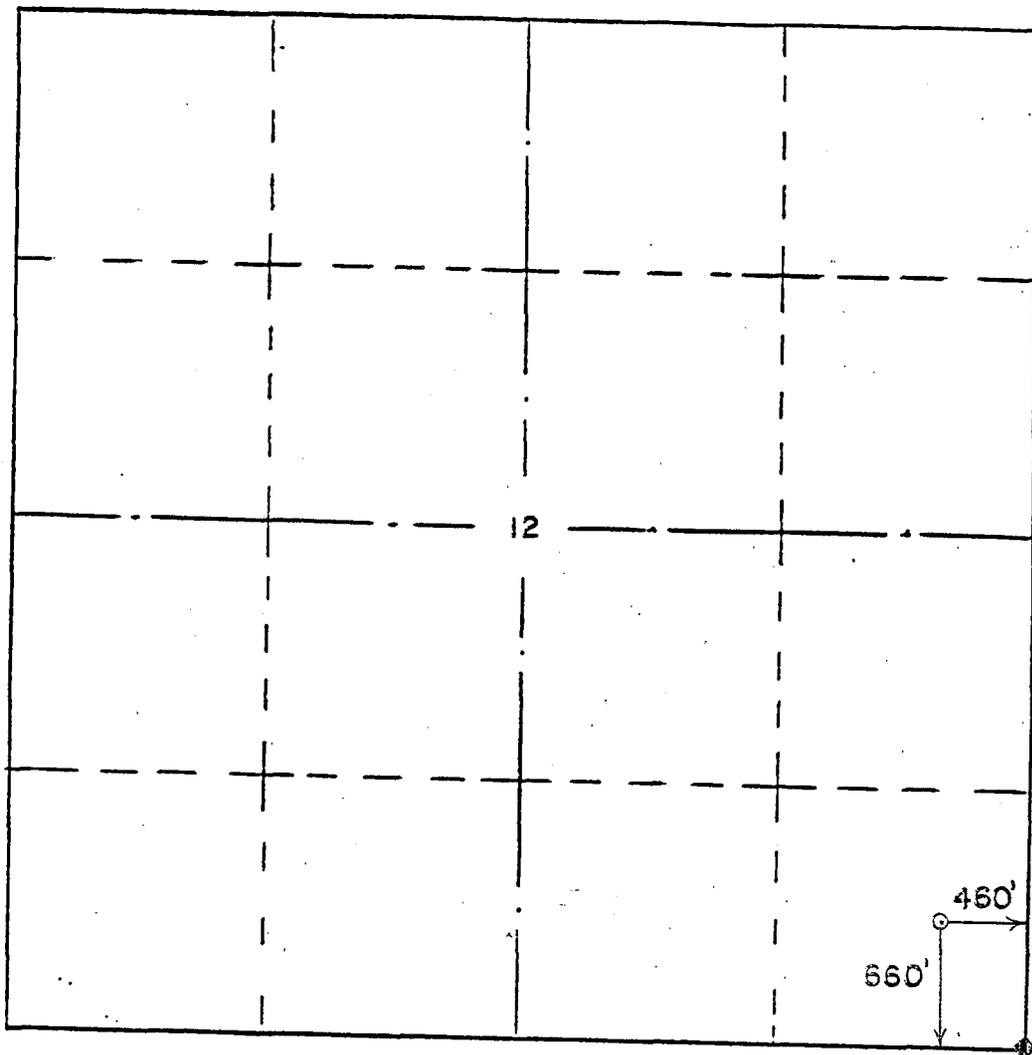
CONDITIONS OF APPROVAL, IF ANY:
FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

SUBJECT TO RIGHT OF WAY APPROVAL

WELL LOCATION AND ACREAGE DEDICATION PLAT



1"=1000'

◆ brass cap

WELL LOCATION DESCRIPTION:

Samedan Oil

Hedge Hog #1-12

660'FSL & 460'FEL

Section 12, T.37 S., R.23 E.,

San Juan County, Utah

5914' ground elevation

Reference: S 75°E., 200', 5909'grd.

The above plat is true and correct to my knowledge and belief.

20 June 1988

REGISTERED LAND SURVEYOR
No. 5705
Gerald G. Huddleston
HUDDLESTON
Gerald G. Huddleston, LS

Samedan Oil Corporation
Well No. Hedge Hog 1-12
Sec. 12, T. 37 S., R. 23 E.
San Juan County, Utah
Lease U-40356

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Samedan Oil Corporation is the bonded entity on this application. Liability will remain with the bonded party named until we are formally notified by letter of the new bonded entity in reference to this Application for Permit to Drill.

A. DRILLING PROGRAM

Surface casing shall be set 50 feet into the Chinle formation regardless of encountered depth.

B. SURFACE USE PLAN

1. All persons in the area who are associated with the project will be informed by the holder/operator that they will be subject to prosecution for disturbing archaeological sites or paleontological sites, or collecting artifacts or fossils.

Any cultural and/or paleontological resource discovered by the holder/operator, or any person working on his behalf, on public or federal land shall be immediately reported to the authorized officer (BLM-San Juan Resource Area Office (801) 587-2141). The holder/operator shall immediately suspend all operations in the area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder/operator will be responsible for the cost of evaluation of the discovery and of any required mitigation measures. Any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder/operator and other affected parties.

NOTIFICATIONS

Notify the San Juan Resource Area, at (801) 587-2144 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

1 day prior to running and cementing surface casing;

1 day prior to pressure testing of BOPE and/or surface casing.

Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed:

Dale Manchester, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-6239

Lynn Jackson, Chief, Branch of Fluid Minerals

Office Phone: (801) 259-6111

Home Phone: (801) 259-7990

Paul Brown, I&E Coordinator

Office Phone: (801) 259-6111

Home Phone: (801) 259-7018

24 hours advance notice is required for all abandonments.

Samedan Oil Corporation
Hedge Hog 1-12
660' FSL & 460' FEL
Sec. 12, T. 37 S., R. 23 E.
San Juan County, Utah

PAGE 1

All lease operations will be conducted in full compliance with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas Order #1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. Samedan Oil Corporation will furnish a copy of these conditions to its field representative to assure compliance.

8 Point Drilling Program

1. ESTIMATED FORMATION TOPS*

<u>Formation Name</u>	<u>Depth from GL</u>	<u>Depth from KB</u>	<u>Subsea Depth from KB</u>
Dakota	000'	12'	+5,926'
Morrison	100'	112'	+5,826'
Entrada	1,264'	1,276'	+4,650'
Navajo	1,364'	1,376'	+4,550'
Kayenta	1,714'	1,726'	+4,200'
Chinle	2,214'	2,226'	+3,700'
Moenkopi	2,964'	2,976'	+2,950'
Cutler	3,114'	3,126'	+2,800'
Hermosa	5,014'	5,026'	+ 900'
Upper Ismay	6,114'	6,126'	- 200'
Lower Ismay	6,274'	6,286'	- 360'
Desert Creek	6,354'	6,366'	- 440'
Akah Shale	6,454'	6,466'	- 540'
Total Depth (TD)	6,500'	6,512'	- 586'

* All depths based on ungraded ground level of 5,914'.

2. NOTABLE ZONES

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The estimated formation top depths from ungraded GL at which water, oil, gas, or other mineral bearing zones may be encountered are:

<u>Possible Fresh Water Zones</u>	<u>Possible Uranium Zones</u>	<u>Possible Oil & Gas Zones</u>
Navajo: 1,364'	Morrison: 100'	Upper Ismay: 6,114'
Kayenta: 1,714'	Chinle: 2,214'	Lower Ismay: 6,274'
		Desert Creek: 6,354'

Water bearing zones will be protected with weighted mud. All fresh water encountered during drilling will be recorded by depth, cased, and cemented. All oil and gas shows will be tested to determine commercial potential.

3. PRESSURE CONTROL (Also see "5." on PAGE 4)

BOP systems will be consistent with API RP 53. An 11" x 3,000 psi double ram and annular preventer with a 3,000 psi choke manifold will be used. A typical example of a 3,000 psi BOP is on Page 3. The actual model will not be known until the bid is let.

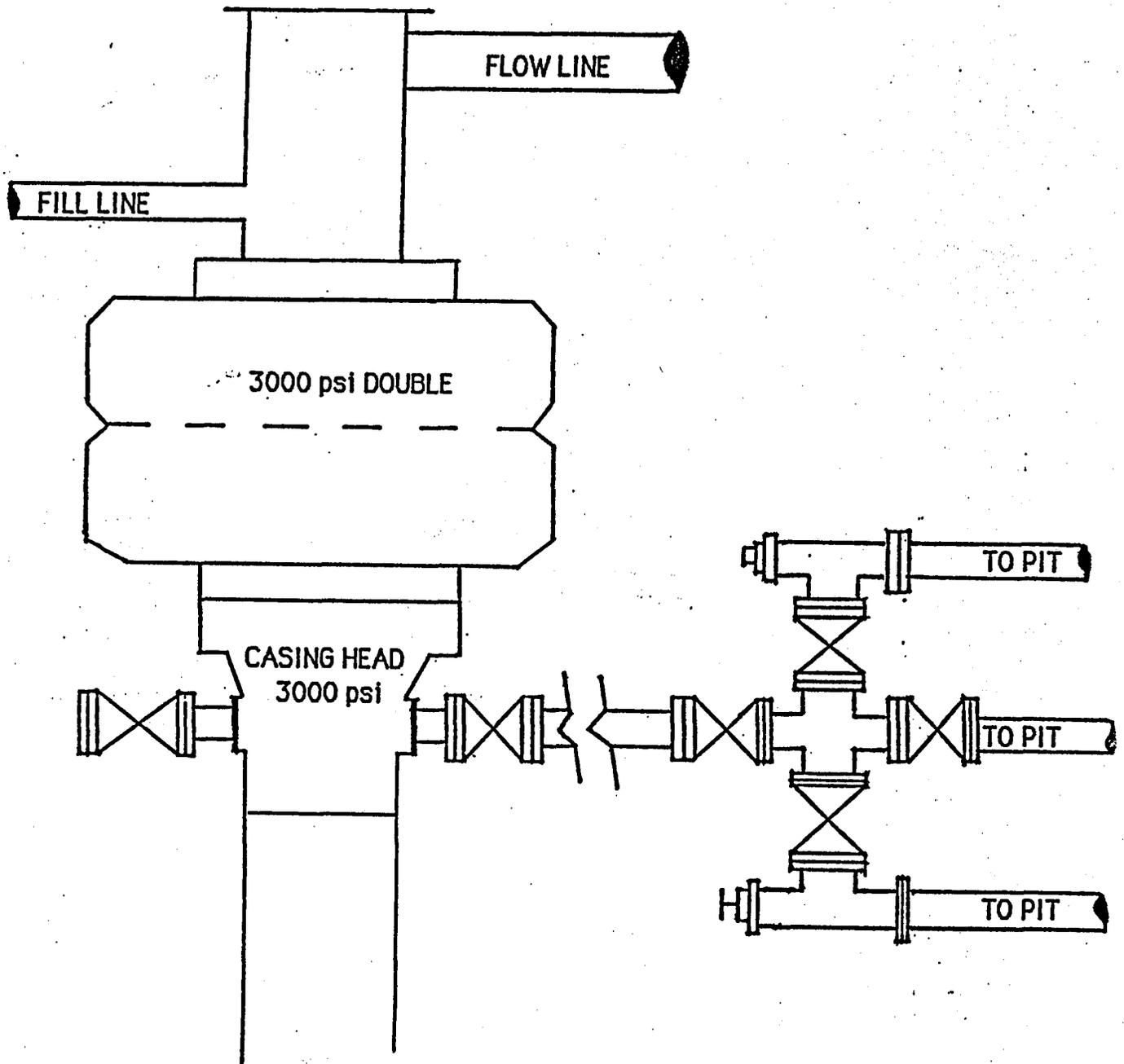
Ram type preventers will be tested to the rated working pressure of the stack or to 70% of the internal yield of the casing, whichever is less. The annular type preventer will be tested to 50% of its rated working pressure.

Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. BOP controls will be installed before drilling the surface casing plug, and will stay in use until the well is completed or abandoned. Preventers will be pressure tested before drilling casing cement plugs.

BOPs will be inspected and operated at least daily to assure good mechanical working order. All BOP mechanical tests, pressure tests, and inspections will be recorded on the drillers log or daily drilling report.

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BLOWOUT PREVENTER

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4. CASING & CEMENTING

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	<u>Age</u>	<u>Setting Depth (GL)</u>
12-1/4"	8-5/8"	24*	K-55	ST&C	New	0' - 2,250'
7-7/8"	5-1/2"	15.5*	K-55	ST&C	New	0' - 6,500'

Surface Casing (0'-2,250'): Cement to surface with \approx 1,100 cubic feet "Neat" (tail) and "Light" (lead).

Production Casing (0'-6,500'): Cement from 6,500' (TD) to 3,000' in one stage with \approx 1,200 cubic feet. "Neat" will be used across producing zones and casing shoe. "Light" will be used for remainder.

5. MUD PROGRAM

<u>Depth</u>	<u>Type</u>	<u>Weight (ppg)</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0'-2,250'	Fr. water w/ floc. & poly	8.3-8.7	26-29	NC
2,250'-5,500'	Fr. water w/ floc. & poly	8.3-8.4	26-29	NC
5,500'-5,800'	Mud up as directed			
5,800'-6,500'	Fresh water polymer	8.8-9.2	34-40	<15 cc

6. CORING, TESTING, & LOGGING

No cores are planned. DSTs may be run in the Upper Ismay and Desert Creek zones if good shows are found. Cuttings will be collected every 30' from the surface to 4,800'. A 2 man mud logging unit will be present from 4,800' to TD. Cuttings will then be collected every 10'. These logs may be run:

TD (6,500') to Surface (000'): DLL/GR
 TD (6,500') to 4,500': MSFL
 TD (6,500') to 3,500': FDC/CNL/GR

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TD to 2,250': BHC Sonic/GR

Whether the well is completed as a dry hole or producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well, or after completion of operations being performed, *per* 43 CFR 3162.4-1. Two copies of all logs, core descriptions & analyses, well test data, geologic summaries, sample descriptions, and all other data obtained during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. (If requested, sample cuttings, fluids, and/or gases will be submitted to the District Manager.)

7. DOWNHOLE CONDITIONS

The maximum anticipated bottom hole pressure is 2,500 psi. No abnormal pressures, temperatures, or hydrogen sulfide are expected.

8. MISCELLANEOUS

The anticipated spud date is July 12, 1988. It is expected it will take \approx 15 days to drill the well and 10 days to complete the well.

The spud date will be phoned to the Resource Area, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5), reporting the spud date and time, will be sent to the District Manager within 24 hours after spudding. If the spud is on a weekend or holiday, the Sundry will be sent on the following regular work day.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If

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operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

Starting with the month in which operations begin, and continuing each month until the well is physically plugged and abandoned, a "Monthly Report of Operations" (Form 3160-6) will be sent to the District Manager.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual events will be promptly reported to the Resource Area *per* NTL-3A.

If the well is successfully completed for production, then the District Manager will be notified. Written notification will be sent not later than 5 business days following the date on which the well is placed on production. The Resource Area will schedule a first production conference within 15 days after receipt of the first production notice.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Manager. This preliminary approval will not exceed 30 days or 50 MMcf of gas. Approval to vent/flare beyond this initial period will require the District Manager's approval *per* NTL-4A.

No well abandonment operations will begin without the prior approval of the District Manager. With a newly drilled dry hole, failure, or emergency, oral approval will be obtained from the District Manager. A Sundry Notice will be sent to the District Manager within 30 days following completion of the well for abandonment. The Sundry will note where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until reclamation required by the approved APD or abandonment notice has been completed to the satisfaction of BLM.

Once plugged, a 4' high regulation dry hole marker will be installed. The following legend will be beaded on with a welding torch: Samedan Oil Corporation, Hedge Hog 1-12, SESE 12-37s-23e, U-40356.

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13 Point Surface Use Plan

1. EXISTING ROADS & DIRECTIONS (See PAGES 15 - 17)

From US 666 and US 191 in Monticello, go south 11.6 mi. on US 191. Then turn left and go southeast 2.9 mi. on gravel County Road #204 (Alkali Road).

Then turn left and go southeast 9.8 mi., still on County Road #204. The first 5.7 mi. are gravel, the remainder is dirt.

Then turn right and go southwest 0.6 mi. on a flagged route, crossing a 345 kv UP&L powerline, Western gas pipeline, and Unocal crude pipeline just west of the county road.

Existing roads are state and county. An Encroachment Permit has been approved by the San Juan County Road Department.

Roads will be maintained to a standard at least equal to their present condition. No upgrading will be needed.

2. ROADS TO BE BUILT (See PAGE 17)

Surface disturbance and vehicle travel will be limited to the approved location and road. Any additional area needed will be approved in advance by the Area Manager.

The 0.6 mi. of new road will be flat bladed with a 16' wide running surface and maximum disturbed width of 30'. Maximum cut or fill will be 3'. Maximum grade will be 8%. Two 18" diameter culverts will be installed. One will be 30' long, the other 40' long. No cattle guards or gates are needed.

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All but the westernmost 0.1 mi. of new access is off-lease and will require a BLM right-of-way, application for which is made concurrently. The easternmost 0.2 mi. will also provide access to Yates Petroleum Corporation's proposed Shane Federal #1 well @ 1360' FSL & 1600' FWL 7-37s-24e. The road will cross the north (laydown) end of their pad. ***** Avoid archaeological sites north and west of the Yates pad.*****

Access will be water barred or brought to Class 3 Road Standards within 60 days of dismantling the drill rig. If the deadline cannot be met, the Resource Area will be notified so temporary drainage control can be installed. Class 3 Road Standards control drainage by using topography, ditch turnouts, dips, outsloping, crowning, low water crossings, and culverts. Specific measures will be determined at a joint field inspection.

3. EXISTING WELLS (See PAGE 17)

There are no water, injection, producing, or disposal wells within 1 mile. Yates Petroleum Corporation has two proposed oil wells on adjoining leases which are within 1 mile, they are:

Mad Dog Fed'l #1 which is 1,335' away @ 660' FNL & 660' FEL 18-37s-24e
Shane Fed'l #1 which is 2,175' away @ 1360' FSL & 1600' FWL 7-37s-24e

4. PROPOSED PRODUCTION FACILITIES

The type and layout of the production facilities are not known now. A Sundry Notice will be submitted before they are installed.

All permanent (on site for 6 or more months) surface facilities will be painted a flat, neutral earthtone color. Painting will be completed within 6 months of installation. Parts required to comply with OSHA colors will be excluded.

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The tank battery will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the largest tank in the battery. All loading lines will be placed inside the dike.

Site security regulations in 43 CFR 3162.7-4 will be obeyed. All product lines entering or leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease must have prior written approval from the District Manager.

Any gas meter run will be within 500' of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500' downstream of the meter and any production facilities. Meters will be housed and/or fenced. Oil and gas measurement facilities will be installed on the well pad. Meters will be calibrated in place before delivery begins. Meter accuracy tests will be conducted monthly for the first 3 months on new meters, and at least quarterly thereafter. The Resource Area will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be sent to the Resource Area. All meters will conform with the API standards for liquid hydrocarbons and AGA standards for natural gas measurement.

If at any time these facilities located on public lands authorized by the terms of the lease are no longer included in the lease, BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation determined by the authorized officer.

5. WATER SUPPLY (See PAGE 15)

Water will be trucked ≈10 miles from a private water source on Richard

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Perkins' land in Sec. 12, T. 38 S., R. 24 E.. An Application to Appropriate Water (09-1563 & T63120) has been approved by the State of Utah Div. of Water Rights.

6. CONSTRUCTION MATERIALS

Pad construction materials will be on lease native soil in place on the well pad.

7. WASTE DISPOSAL

The reserve pit will not be lined. Over half of the capacity will be in cut. The pit will be fenced on 3 sides with 4 strands of barbed wire or woven wire topped with barbed wire. The 4th side will be fenced once the rig moves off. The fence will be kept in good repair while the pit dries.

All trash will be placed in a trash cage. When full, it will be hauled to the Blanding dump or a landfill in Montezuma County. A burning permit is required for burning trash between May 1 and October 31. Call the San Juan County Sheriff at (801) 587-2237 for a burning permit. The road and pad will be kept litter free.

Human waste will be disposed of in 10' deep ratholes or chemical toilets. The ratholes will be immediately filled when the trailers are removed.

Produced water will be confined to the reserve pit for a period not to exceed 90 days after initial production. During the 90 day period an NTL-2B application will be submitted for the District Manager's approval of a permanent disposal method and site.

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8. ANCILLARY FACILITIES

There will be no airstrip or formal camp. Three camper trailers may be on site for the company man, mud logger, and tool pusher.

9. WELL SITE LAYOUT & CONSTRUCTION

An archaeologist hired by Samedan and approved by BLM will monitor all construction. Samedan's dirt contractor will install a 175' long single strand barbed wire fence along the north edge of the pad. The wire will be flagged to prevent inadvertant damage to archaeological sites.

See PAGES 18-20 for depictions of the well pad, cross sections, cut and fill diagrams, reserve pit, burn pit, access road onto the pad, parking, living facilities, and rig orientation. The top 12" of soil and brush will be saved and stockpiled east of the pad and west of the reserve pit. Avoid archaeological sites north and northwest of the pad.

10. RECLAMATION

Immediately upon completion of drilling, all trash and debris will be collected from the pad and surrounding area and placed in the trash cage.

Samedan's dirt contractor will call the Resource Area 48 hours before starting reclamation that involves earth moving equipment, and upon completion of reclamation. The reserve pit will be completely dry before it is backfilled.

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. Stockpiled brush and soil will be scattered evenly over

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the disturbed area. All disturbed areas will be ripped 6" deep and 18" apart with the contour. Ten pounds/acre crested wheatgrass will be broadcast between October 1 and February 28.

If production results, the reserve pit and that part of the pad not needed for production will be reclaimed as previously described.

11. SURFACE OWNER

The owner of the pad and road is the federal government, as administered by the BLM.

12. OTHER INFORMATION

The dirt contractor will be provided with an approved copy of the surface use plan.

There will be no change from the proposed drilling and/or workover plan without prior approval from the District Manager. A Sundry Notice will be filed for approval for all changes of plans and other operations *per* 43 CFR 3162.3-2.

Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified *per* 43 CFR 3162.3-2.

This permit will be valid for one year from the date of approval. After it expires, a new application will be filed for approval of future operations.

The District Office's mailing address is P.O. Box 970, Moab, Utah 84532. The phone number is (801) 259-6111.

**Samedan Oil Corporation
Hedge Hog 1-12
660' FSL & 460' FEL
Sec. 12, T. 37 S., R. 23 E.
San Juan County, Utah**

PAGE 13

The Resource Area's mailing address is P.O. Box 7, Monticello, Utah 84535.
The phone number is (801) 587-2141.

The nearest hospital is a 40 minute drive to Monticello, Utah. It is 3 blocks northwest of the intersection of US 666 and US 191. Hospital phone number is (801) 587-2116. Or dial 1-800-332-1911 from anywhere in San Juan County. The closest medically equipped helicopter is in Grand Junction, Colorado, at St. Mary's Hospital. Call (303) 244-2550.

13. REPRESENTATION AND CERTIFICATION

Anyone having questions concerning the APD should contact:

Brian Wood
Permits West, Inc.
37 Verano Loop
Santa Fe, NM 87505
(505) 984-8120

The field representative for Samedan Oil Corporation will be:

Gary Brune, Division Production Superintendent
Samedan Oil Corporation
1616 Glenarm Place, Suite 2550
Denver, Co. 80202-4371
(303) 534-0677

HOME: (303) 779-5194

CERTIFICATION

I hereby certify that I have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true

Samedan Oil Corporation
Hedge Hog 1-12
660' FSL & 460' FEL
Sec. 12, T. 37 S., R. 23 E.
San Juan County, Utah

PAGE 14

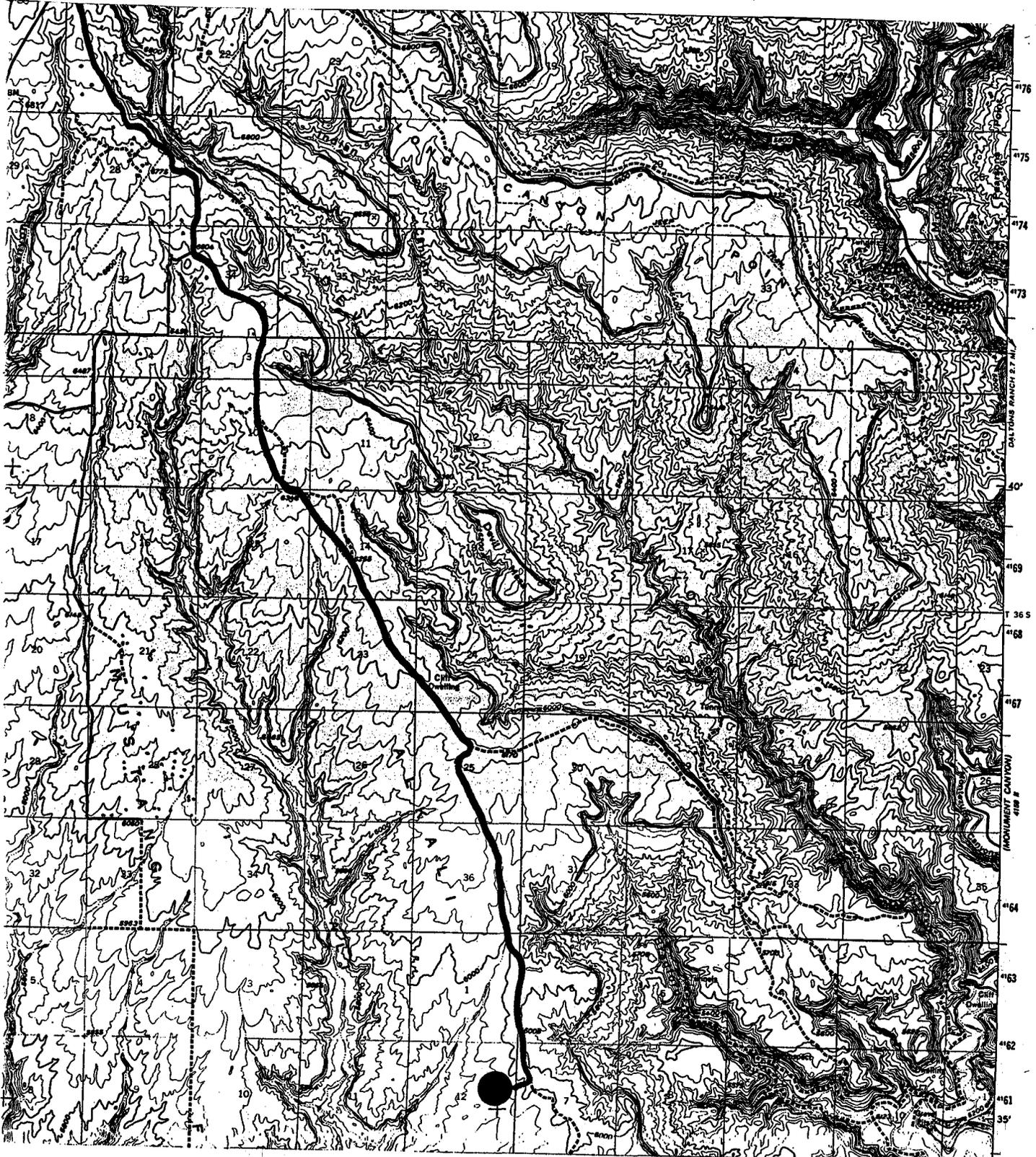
and correct; and that the work associated with operations proposed herein will be performed by Samedan Oil Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.



Brian Wood

June 24, 1988
Date

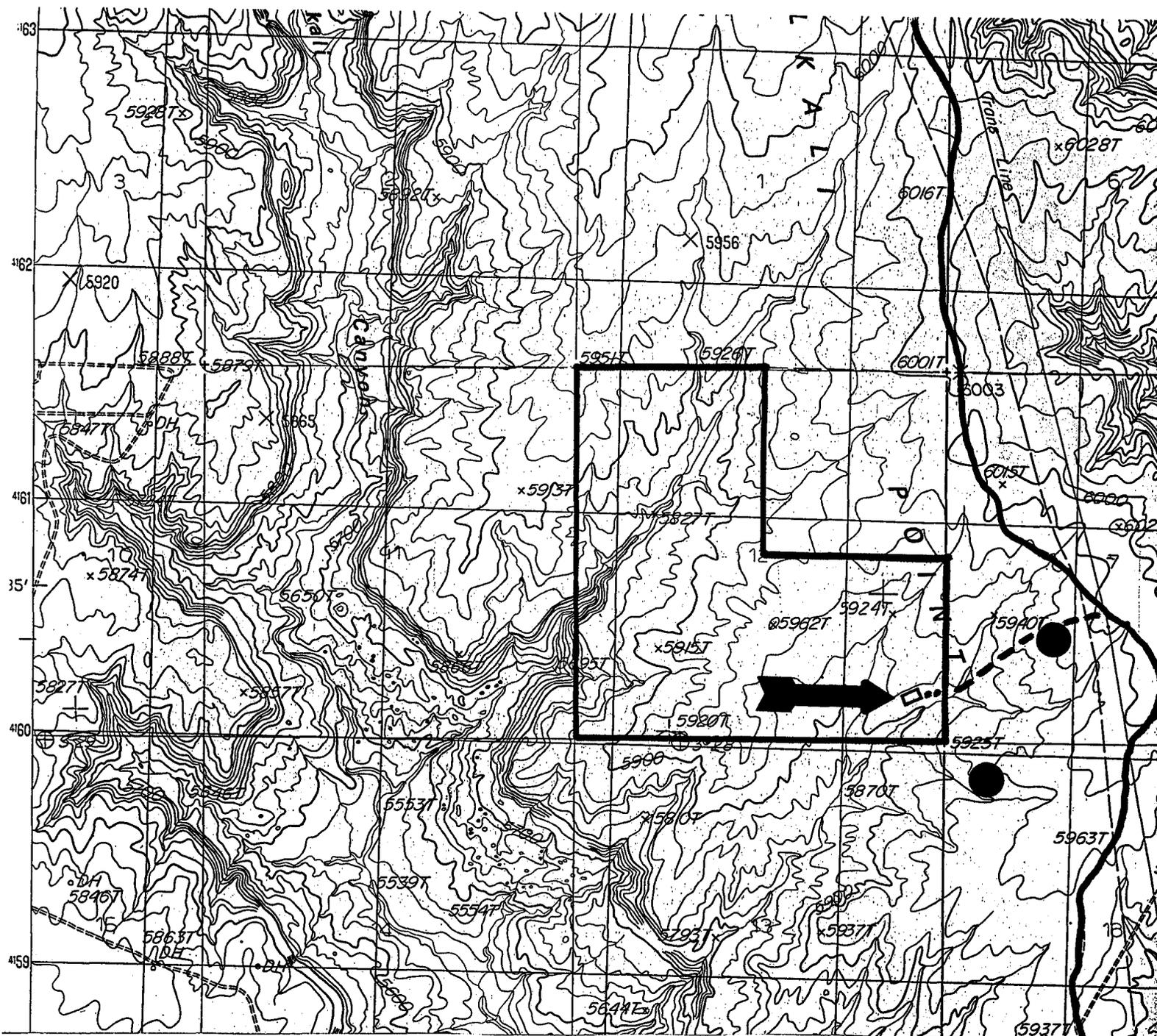
Samedan Oil Corporation
Hedge Hog 1-12
660' FSL & 460' FEL
Sec. 12, T. 37 S., R. 23 E.
San Juan County, Utah

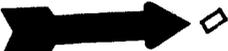


Hedge Hog 1-12 Well: ●

Access Route: ~~~~~

**Samedan Oil Corporation
Hedge Hog 1-12
660' FSL & 460' FEL
Sec. 12, T. 37 S., R. 23 E.
San Juan County, Utah**



Hedge Hog 1-12 Well: 

Other Planned Wells: 

*204 Alkali County Road: 

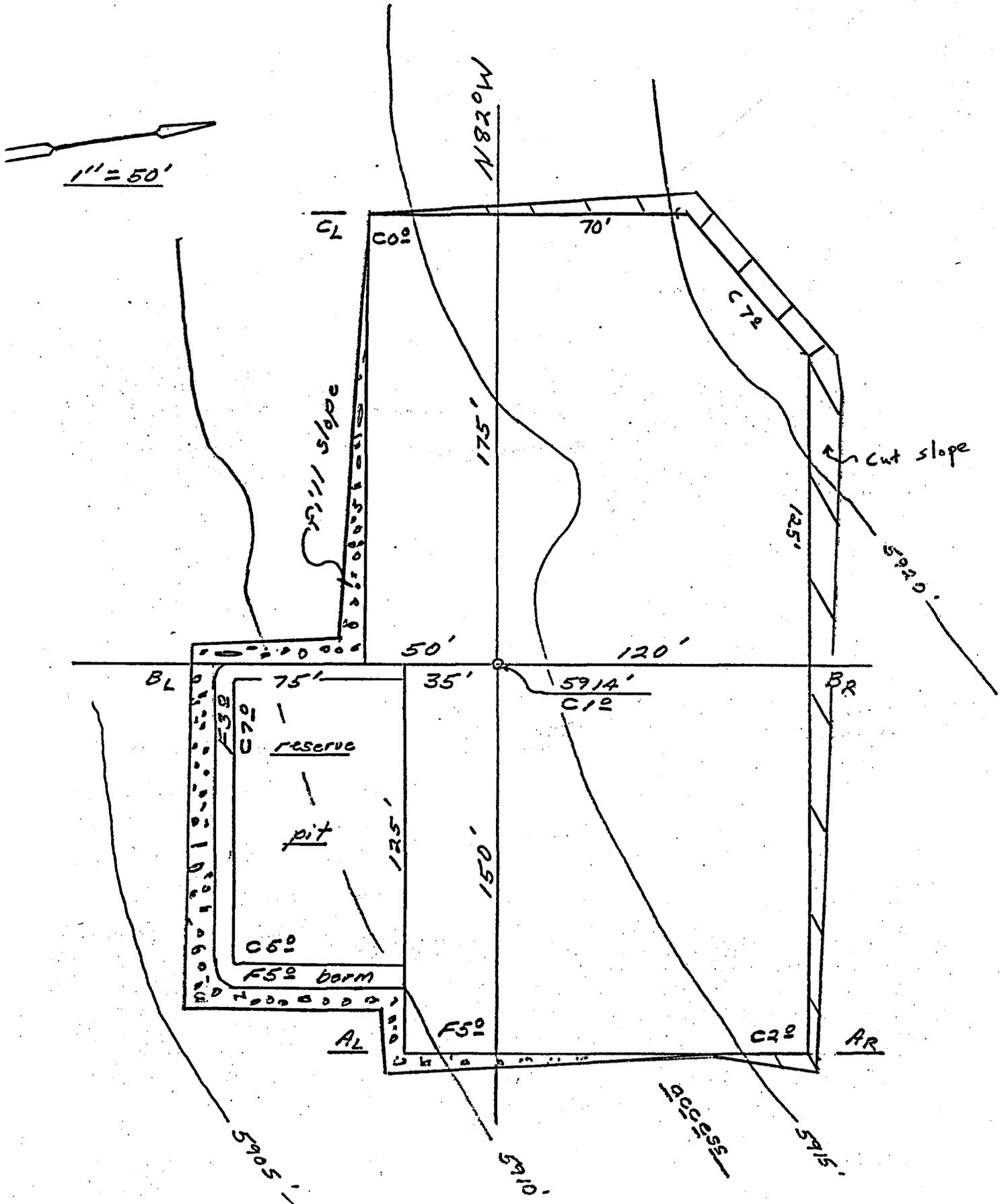
Lease U-40356: 

New Road Right-of-Way: 

New On-Lease Road: 

Plan View Sketch

Hedge Hog 1-12

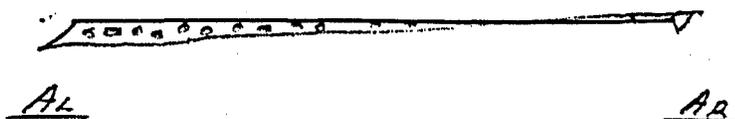
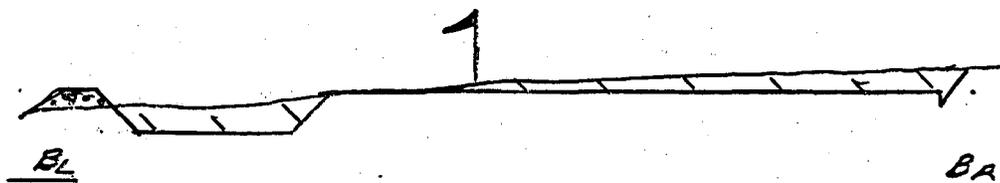
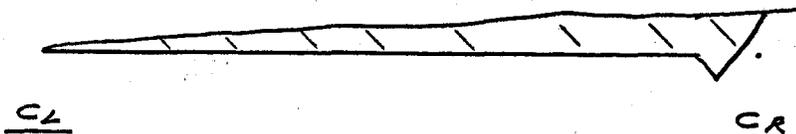


Cross Section

Hedge Hog 1-12

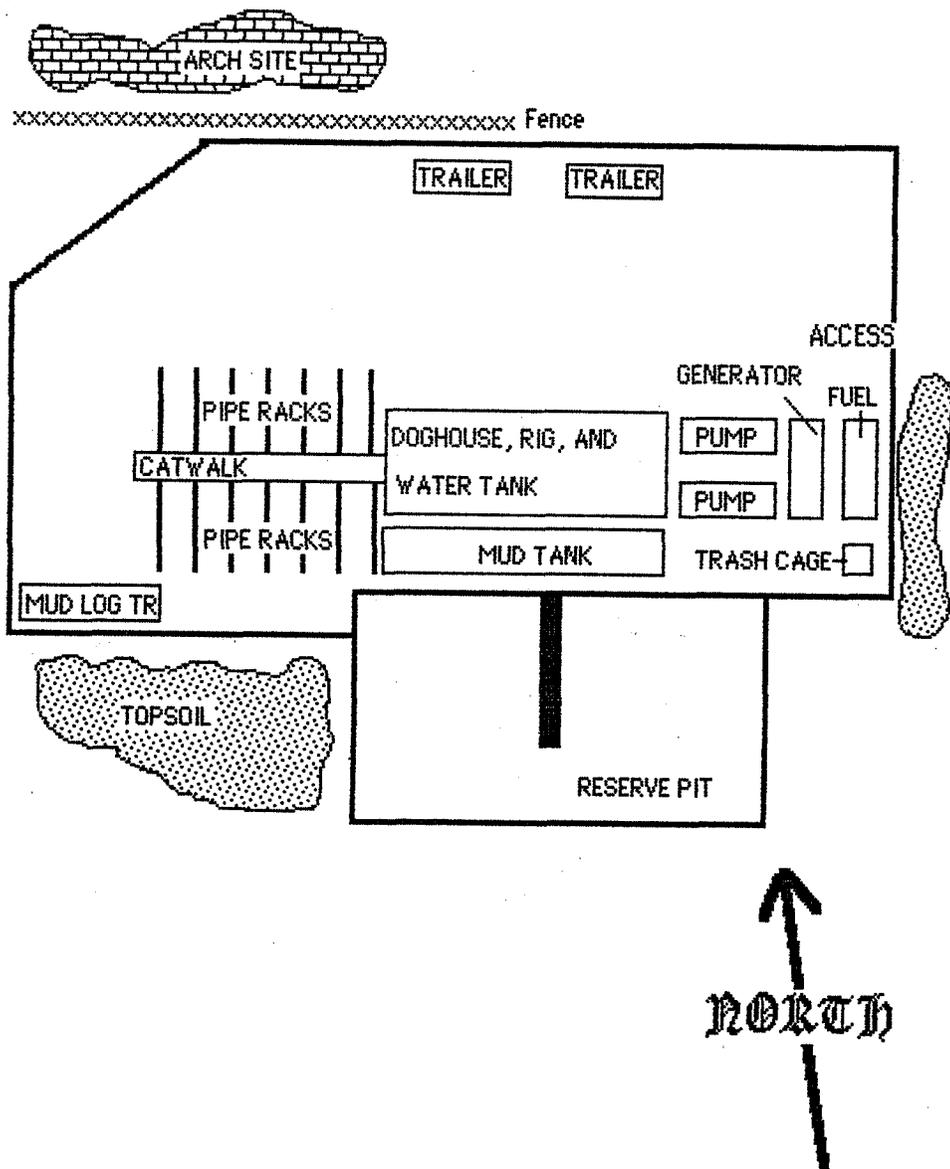
Cut 
Fill

1"=50' Horz. & Vert.



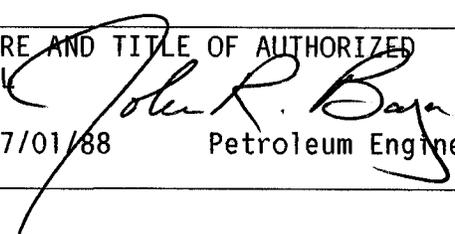
Samedan Oil Corporation
Hedge Hog 1-12
660' FSL & 460' FEL
Sec. 12, T. 37 S., R. 23 E.
San Juan County, Utah

PAGE 20



STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

-
1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
-
3. APPROXIMATE DATE PROJECT WILL START:
Upon approval
-
4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Southeastern Utah Association of Local Governments
-
5. TYPE OF ACTION: Lease Permit License Land Aquisition
 Land Sale Land Exchange Other_____
-
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
-
7. DESCRIPTION:
Samedan Oil Corporation proposes to drill a wildcat well, the Hedge Hog #1-12, on federal lease number U-40356 in San Juan County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S. Bureau of Land Management is the primary administrative agency in this case and must issue approval to drill jointly with DOGM before operations can commence.
-
8. LAND AFFECTED (site location map required) (indicate county)
SE/4, SE/4, Section 12, Township 37 South, Range 23 East, San Juan County, Utah
-
9. HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?
Unknown
-
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
Degree of impact is based on the discovery of oil or gas in commercial quantities.
-
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
Chip Hutchinson, Moab, 259-8151
-
12. FOR FURTHER INFORMATION, CONTACT: 13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL
- John Baza
PHONE: 538-5340
- 
DATE: 7/01/88
Petroleum Engineer
-



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

July 22, 1988

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

Gentlemen:

Re: Hedge Hog 1-12 - SE SE Sec. 12, T. 37S, R. 23E - San Juan County, Utah
660' FSL, 460' FEL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-2, Oil and Gas Conservation General Rules.

In addition, the following actions are necessary to fully comply with this approval:

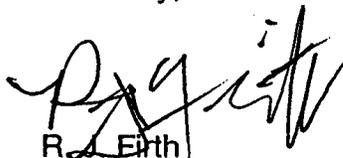
1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form OGC-8-X.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.

Page 2
Samedan Oil Corporation
Hedge Hog 1-12
July 22, 1988

7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31441.

Sincerely,



R. J. Eirth
Associate Director, Oil & Gas

lr
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API NO. 43-037-31441

NAME OF COMPANY: SAMEDAN OIL CORPORATION

WELL NAME: HEDGE HOG 1-12

SECTION SE 12 TOWNSHIP 37S RANGE 23E COUNTY SAN JUAN

DRILLING CONTRACTOR EXETER

RIG # 68

SPODDED: DATE 7/29/88

TIME 10:30 p.m.

How ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY MARY

TELEPHONE # 303-534-0677

DATE 8/1/88 SIGNED TAS

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

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

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

RECEIVED
AUG 4 1988
DIVISION OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug a well to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO. U-40356

6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A

7. UNIT AGREEMENT NAME N/A

8. FARM OR LEASE NAME Hedgehog

9. WELL NO. 1-12

10. PIPES AND POOL, OR WILDCAT WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 12-T37S-R23E

12. COUNTY OR PARISH San Juan 18. STATE Utah

14. PERMIT NO. 43-037-31441 15. ELEVATIONS (Show whether DF, RT, GR, etc.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR SAMEDAN OIL CORPORATION

3. ADDRESS OF OPERATOR 1616 Glenarm Place, Suite 2550, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
660' FSL and 460' FEL (SESE)

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	Spud <input checked="" type="checkbox"/>

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (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.)

7/28/88 Move in rig up Exeter Rig #68.

Spud well at 10:30 P.M., July 29, 1988.

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

SIGNED Mary D. Folvag TITLE Production Secretary DATE 8/1/88
Mary D. Folvag

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

ENTITY ACTION FORM - DOGM FORM 6

RECEIVED
AUG 5 1988

DIVISION OF
OIL, GAS & MINING

OPERATOR SAMEDAN OIL CORP.
ADDRESS 1616 Glenarm Place
Suite #2550
DENVER, CO 80202

OPERATOR CODE N0185
PHONE NO. 303, 534-0677

OPERATORS MUST COMPLETE FORM UPON SPUDDING NEW WELL OR WHEN CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	10905	43-037-31441	HEDGE HOG # 1-12	SESE	12	37S	23 E	San Juan	7/29/88	
COMMENTS: Federal lease Not in a unit Field-Wildcat Proposed Zone - Akah (Assign new entity 10905 on 8-5-88 fcr)											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											

ACTION CODES: A - ESTABLISH NEW ENTITY FOR NEW WELL (SINGLE WELL ONLY)
 B - ADD NEW WELL TO EXISTING ENTITY (GROUP OR UNIT WELL)
 C - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO ANOTHER EXISTING ENTITY
 D - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO A NEW ENTITY
 E - OTHER (EXPLAIN IN COMMENTS SECTION)
 (SEE INSTRUCTIONS ON BACK OF FORM)

Jay D. Brune
SIGNATURE
DIVISION PROD. 8/2/89
TITLE SUPERINTENDENT DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form 3160-6
(November 1983)
(Formerly 92329)

AUG 17 1988

MONTHLY REPORT DIVISION OF
OF OIL, GAS & MINING
OPERATIONS

Lease No. U-40356 **SAMEDAN**
Communitization Agreement No. N/A
Field Name Wildcat 43-037-31441
Unit Name N/A
Participating Area Hedgehog
County San Juan State Utah
Operator _____
 Amended Report

CONFIDENTIAL

The following is a correct report of operations and production (including status of all unplugged wells) for the month of July, 1988

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396d), regulation (43 CFR 3162.4-3), and the terms of the lease. Failure to report can result in the assessment of liquidated damages, (43 CFR 3160), penalties, shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (43 CFR 3160).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1-12	SESE12	37S	23E	Drlg	--	--	--	--	Spud well on July 29, 1988. Now drilling ahead

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: Scott A. Steinke Address: 1616 Glenarm Place - Denver, CO 80202
Title: Engineer Suite 2550 1 of 1
Page

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form 3160-6
(November 1983)
(Formerly 9-329)

AUG 17 1988

Lease No. U-40356 - MEDAN
Communitization Agreement No. N/A
Field Name Wildcat 43-037-31441
Unit Name N/A
Participating Area Hedgehog
County San Juan State Utah
Operator _____

MONTHLY REPORT
OF
OPERATIONS DIVISION OF
OIL, GAS & MINING

Amended Report

CONFIDENTIAL

The following is a correct report of operations and production (including status of an unplugged well) for the month of August, 19 88

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396d), regulation (43 CFR 3162.4-3), and the terms of the lease. Failure to report can result in the assessment of liquidated damages, (43 CFR 3160), penalties, shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (43 CFR 3160).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1-12	SESE12	37S	23E	P&A'd	--	--	--	--	Drill to TD Log, P&A as per BLM requirements

CONFIDENTIAL
 INFORMATION
 FILE

CONFIDENTIAL

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: Scott A. Steinke Address: 1616 Glenarm Place - Suite 2550 Denver, CO. 80202
Title: Engineer Page 1 of 1

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
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.)

AUG 17 1988

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-40356
2. NAME OF OPERATOR Samedan Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR 1616 Glenarm Place - Suite 2550 - Denver, Colorado 80202		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660 FSL 460 FEL (SESE)		8. FARM OR LEASE NAME Hedgehog
14. PERMIT NO. 43-037-31441		9. WELL NO. 1-12
15. ELEVATIONS (Show whether DF, RT, GR, etc.)		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 12-T37S-R23E (SLBM)
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

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

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

The above referenced well was drilled to 6448' and logged. Verbal approval to plug was given by the BLM and State of Utah. Plugs were set on 8/11/88 as follows:

- #1 50 sx class "B" from 6129-6029
- #2 70 sx class "B" from 2315-2115
- #3 35 sx class "B" from surface to 100'

CONFIDENTIAL

Dry hole marker has been installed. Location will be reclaimed per BLM specifications.

CONFIDENTIAL

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

SIGNED

Scott A. Steinke

TITLE

Engineer

DATE

AUG 15 1988

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

RECEIVED
SUBMIT IN DUPLICATE
AUG 17 1988
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

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 ABANDON

2. NAME OF OPERATOR
Samedan Oil Corporation

3. ADDRESS OF OPERATOR
1616 Glenarm Place - Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 660 FSL 460 FEL
At top prod. interval reported below 660 FSL 460 FEL
At total depth 660 FSL 460 FEL

14. PERMIT NO. 43-037-31441 DATE ISSUED 7-22-88

5. LEASE DESIGNATION AND SERIAL NO.
V-40356

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Hedgehog

9. WELL NO.
1-12

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T. R., M., OR BLOCK AND SURVEY OR AREA
12-37S-23E (SLBM)

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

15. DATE SPUDED 7/29/88 16. DATE T.D. REACHED 8/10/88 17. DATE COMPL. (Ready to prod.) N/A 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5914GL 19. ELEV. CASINGHEAD --

20. TOTAL DEPTH, MD & TVD 6455 21. PLUG, BACK T.D., MD & TVD --- 22. IF MULTIPLE COMPL., HOW MANY* --- 23. INTERVALS DRILLED BY --- ROTARY TOOLS 0-6448 CABLE TOOLS 0

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
N/A 25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Gearhart: GR/SP/DLL, GR/MSFL, GR/CAL/FDC/CNL 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
8 5/8	24	2217	11	450 sx Pox + 200 sx "B"	None

29. DRIVER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

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
Plugging Record on Reverse

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Scott A. Steinke TITLE Engineer DATE 8/15/88

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

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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.	TOP	
				MEAS. DEPTH	TRUE VERT. DEPTH
U. Ismay Havenweep L. Ismay Gothic Desert Creek Chimney Rock Akah	6079 6194 6204 6269 6293 6394 6414		<p>4' of 8% porosity, water 4' of 8% porosity, water 4' of 8% porosity, water 4' of 8% porosity, water 12' of 12% porosity, water 12' of 12% porosity, Water 12' of 12% porosity, water</p> <p>Plug #1 50 sx class "B" 6129-6029 Plug #2 70 sx class "B" 2315-2115 Plug #3 35 sx calss "B" 0-100'</p>		

OIL AND GAS	
DRM	RJF
JRD	GLH
DTC	SLS
1-TAS	
MICROFILM	
3-	FILE

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SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

JIMMIE WALKER
Chairman

P.O. Drawer A1 • Price, Utah 84501 • Telephone 637-5444

WILLIAM D. JOHNSON
Executive Director

RECEIVED

AUG 26 1988

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DIVISION OF
OIL, GAS & MINING

AREAWIDE CLEARINGHOUSE A-95 REVIEW

NOI ___ Preapp ___ App ___ State Plan ___ State Action x Subdivision ___ (ASP # 8-713-2)

Other (indicate) _____ SAI Number UT880712-020

Applicant (Address, Phone Number):

Federal Funds:
Requested: _____

Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Title:

43-037-31441

APPLICATION FOR PERMIT TO DRILL

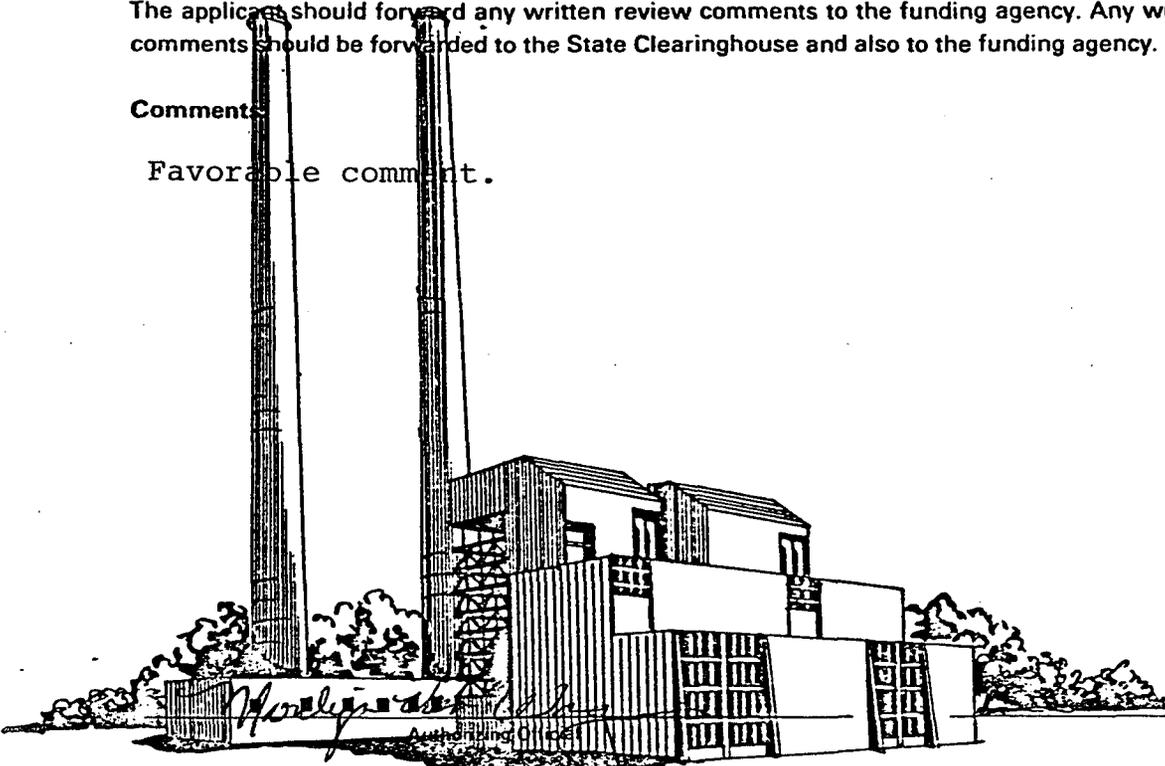
*Samedan Oil Corp.
Hedge hog # 1-12
12-315-23E
San Juan Co.*

- No comment
- See comments below
- No action taken because of insufficient information
- Please send your formal application to us for review. Your attendance is requested

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

Comments:

Favorable comment.



8-24-88

Date