

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE WATER SANDS LOCATION INSPECTED SUB REPORT/abd.

DATE FILED 1-19-90

LAND: FEE & PATENTED FEE STATE LEASE NO. PUBLIC LEASE NO. INDIAN

DRILLING APPROVED: 2-06-90 (CAUSE NO. 156-3)

SPUDDED IN:

COMPLETED: 8-7-98 LA PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: ~~NO'D AND EXPIRED EFF~~ 8-7-98

FIELD: MEXICAN HAT

UNIT:

COUNTY: SAN JUAN

WELL NO. #7-4 API NO. 43-037-31486

LOCATION 2340' FSL FT FROM (N) (S) LINE. 950' FEL FT. FROM (E) (W) LINE. NESE 1/4 - 1/4 SEC. 7

TWP	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				42S	19E	7	SUTHERLAND OIL COMPANY

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
JAN 19 1990

Lease Designation and Serial No. 7303-D Fee

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL DEEPEN OIL PLUG BACK

b. Type of Well
Oil Well Gas Well Other
Single Zone Multiple Zone

2. Name of Operator
Sutherland Drilling Co

3. Address of Operator
P.O. Box 356 Mexican Hat UT 84531

4. Location of Well (Report location clearly and in accordance with any state requirements.)
At surface 2340 FSL
950 FEL
At proposed prod. zone 140' Goodridge, NESE

14. Distance in miles and direction from nearest town or post office
1/2 Mile East

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

15. Distances from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.
550 FEL

21. Elevations (Show whether DF, RT, GR, etc.)
4146 ungraded

6. If Indian, Alutian or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

9. Well No.
7-4

10. Field and Pool, or Wellbore
Mexican Hat (410)

11. W. Sec., T., R., S., or Blk. and Survey or Area
SW 1/4 Sec 7, 42, S., 19, E., 56M

12. County or Parish
San Juan

13. State
Utah

16. No. of acres in lease
approx 20

17. No. of acres assigned to this well
N/A

18. Proposed depth
200 Goodridge

20. Rotary or cable tool
Rotary

22. Approx. date work will start
ASAP

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
<u>10"</u>	<u>approx 7 1/8 / 7 3/8</u>		<u>40'</u>	<u>approx 7 Secs</u>

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. I hereby certify that this report is true and complete to the best of my knowledge.

Signed Bobbie J. Burson Title _____ Date 1-16-90

(This space for Federal or State office use)

API No. 43-037-31486 Approval Date _____

Approved by _____ Title _____
Conditions of approval, if any:

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

DATE: 2-6-90
Bob R. Burson

WELL SPACING: Lease No. 156-3

*See Instructions On Reverse Side

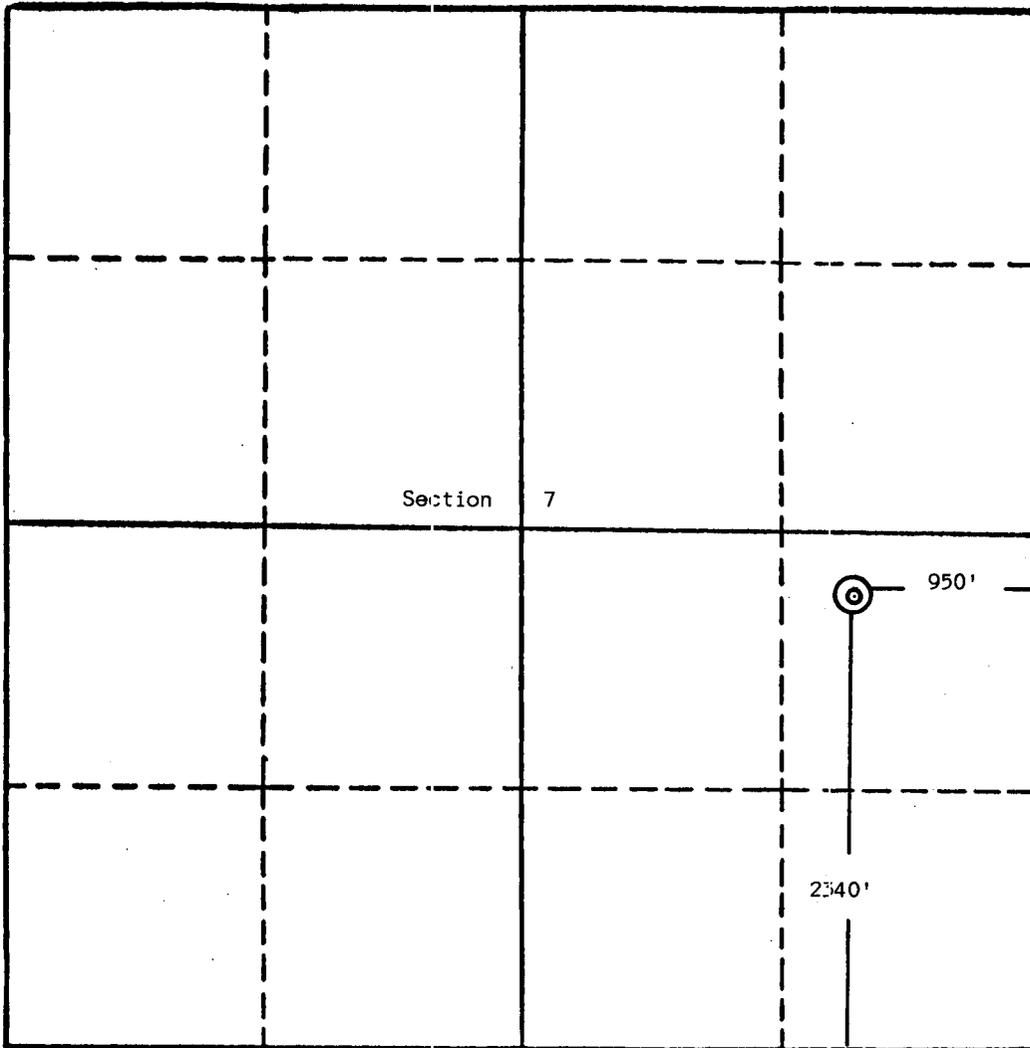
Company Sutherland Oil Company

Well Name & No. _____ No. 4

Location _____ 2340' F/SL _____ 950' F/EL _____

Sec. 7, T. 42 S., R. 19 E., S. L. M., County San Juan, Utah

Ground Elevation 4146 (Estimated)



Scale, 1 inch = 1,000 feet

Surveyed _____ January 9, 1990

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:



Edgar L. Risenhoover

Edgar L. Risenhoover
Registered Land Surveyor
New Mexico Reg. No. 5979

Non-resident certification as
authorized by Utah State Law
58-22-21(b)

RECEIVED
JUL 12 1989

DIVISION OF
OIL, GAS & MINING

Division of Water Rights
P.O. Box 718
Price, UT 84501

Subject: Authorization for culinary water usage

Gentlemen:

The following Company has requested and received authorization from the undersigned to use culinary water from the township of Mexican Hat, Utah, for the purpose of drilling oil wells.

Water Right No. 09-944

Company:

Amount Allocated: 10,000 Dols

Time Period: Dec. 31, 89

Well Name: Fed 1, 2 & 3

Surveyed Location: Lots 5 & 9 Sec 5 T2.5 R9. E
1568' FSL ~~313~~ 2477 F.W.L.

Very truly yours,

SAN JUAN SPECIAL SERVICE DIST. #1

Luther P. Risenhoover

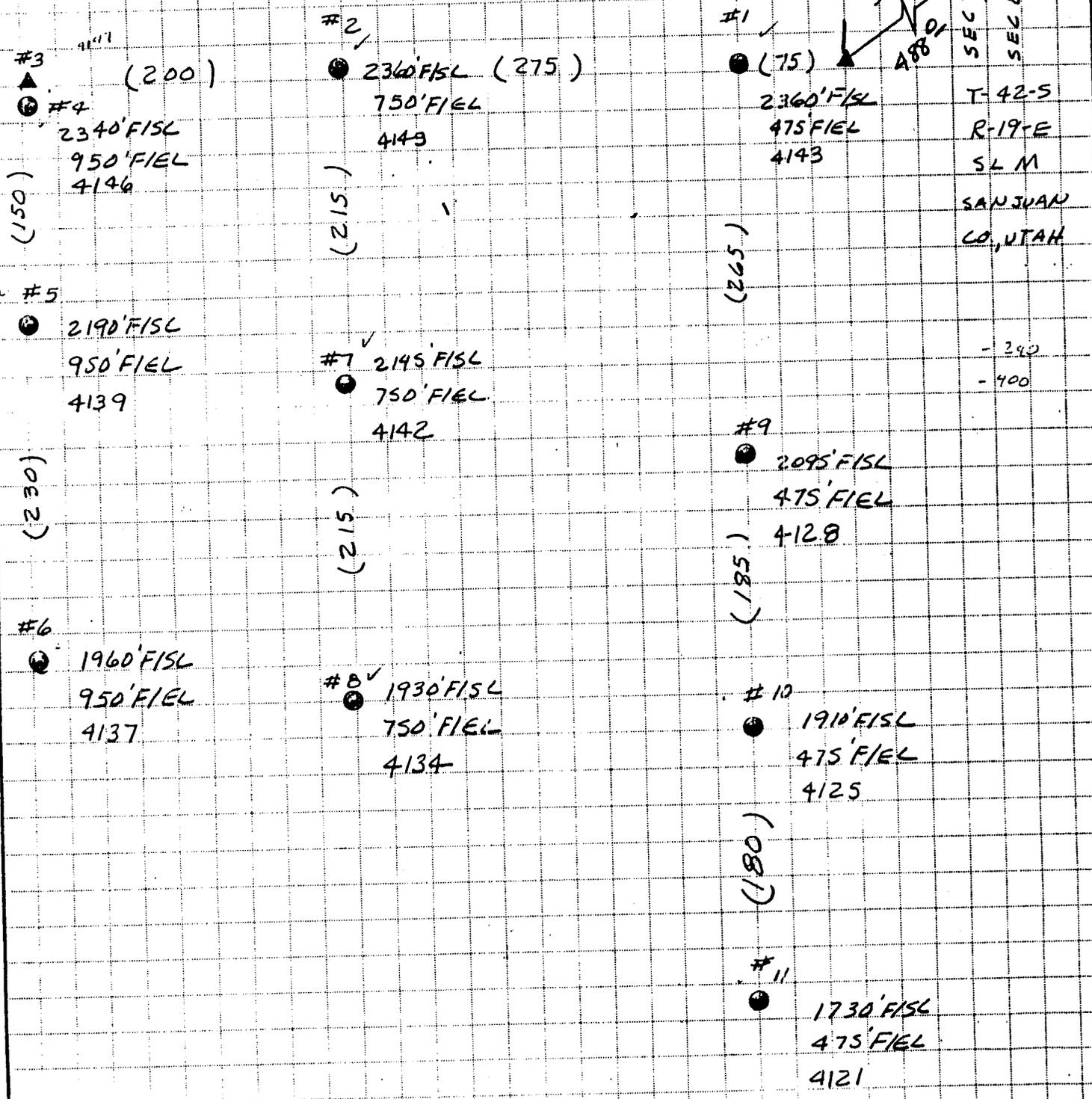
Luther P. Risenhoover, President

Sutherland Oil Co.

Fed. #3 43-037-31376

Fed. #1 43-037-31374

SW 1/4 SEC 7 (42-19)



T-42-S
 R-19-E
 S L M
 SAN JUAN
 CO, UTAH

- 240
 - 400

Bruce
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DRILLING LOCATION ASSESSMENT

State of Utah Division of Oil, Gas and Mining

OPERATOR: SUTHERLAND DRILLING CO. WELL NAME: 7-4
SECTION: 7 TWP: 42S RNG: 19E LOC: 2340 FSL 950 FEL
QTR/QTR NE/SE COUNTY: SAN JUAN FIELD: MEXICAN HAT
SURFACE OWNER: ALLYSON ESTATE
SPACING: 50' F PROPERTY OR LEASE LINE. UNRESTRICTED.
INSPECTOR: BRAD HILL DATE AND TIME: 1/30/90 12:00 PM

PARTICIPANTS: Bill Sutherland-Sutherland Drilling

REGIONAL SETTING/TOPOGRAPHY: The location is on a terrace between Highway 163 and the San Juan River. This area has been used for dumping trash at some time in the past.

LAND USE:

CURRENT SURFACE USE: None

PROPOSED SURFACE DISTURBANCE: The only disturbance will be the construction of an 8' X 8' reserve pit. A drill truck will be able to back up to the site with minimal disturbance.

AFFECTED FLOODPLAINS AND/OR WETLANDS: The location is north of the San Juan River. These operations should not effect the river.

FLORA/FAUNA: Desert Trumpet, Snakeweed, Russian Thistle, Curly grass, Mormon Tea, Saltbush, Prickly Pear, Yucca/Birds, Insects

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Silty-sand with gravel.

SURFACE FORMATION & CHARACTERISTICS: Quaternary alluvium on Halgaito Shale

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation. Site is stable.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Goodridge Sandstone-200'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: None

SITE RECLAMATION: As per landowner instructions.

RESERVE PIT

CHARACTERISTICS: 8'X 8'X 6'

LINING: None needed.

MUD PROGRAM: To be drilled with air.

DRILLING WATER SUPPLY: If water is needed it will be obtained from the Mexican Hat culinary water system.

STIPULATIONS FOR APD APPROVAL

None

ATTACHMENTS

Photographs will be placed on file.

BEFORE THE BOARD OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
IN AND FOR THE STATE OF UTAH

IN THE MATTER OF THE APPLICATION)
OF SAN JUAN MINERALS EXPLORATION)
COMPANY FOR AN EXCEPTION TO THE)
WILD CAT WELL SPACING PATTERN)
ESTABLISHED BY RULE C-3, OF THE)
GENERAL RULES AND REGULATIONS,)
AND AMENDING PRIOR ORDERS OF THE)
BOARD IN CAUSE NO. 156-1 TO GRANT)
UNRESTRICTED SPACING IN CERTAIN)
PORTIONS OF THE MEXICAN HAT AREA,)
SAN JUAN COUNTY, STATE OF UTAH)

ORDER

CAUSE NO. 156-3 ✓

Pursuant to Notice of Hearing dated February 22, 1980, as amended, of the Board of Oil, Gas and Mining, Department of Natural Resources of the State of Utah, this Cause came on for hearing before Cleon B. Feight, acting as hearing examiner for the full Board, commencing at the hour of 9:00 a.m. on April 15, 1980, in the offices of the Division of Oil, Gas and Mining, 1588 West North Temple, Salt Lake City, Utah.

Appearing for the applicant was Anthony L. Rampton of the law firm of Fabian & Clendenin, Salt Lake City, Utah, and Robert Lauth, Certified Registered Geologist. Appearing on behalf of the Division of Oil, Gas and Mining were Denise Dragoo, Special Assistant, Utah Attorney General's Office, and Mike Minder, Petroleum Engineer.

NOW, THEREFORE, having considered the testimony presented to the hearing examiner and the exhibits received at said hearing, and being fully advised in the premises, and all persons appearing before the hearing examiner being in favor of the application, the Board now makes and enters the following:

FINDINGS OF FACT

1. Due and regular notice of the time, place and purpose of the hearing was given to all interested parties in the form and manner and within the time required by law and the rules and regulations of the Board.

156-3

2. The Board has jurisdiction over the matter covered by said Notice and over all parties interested therein and has jurisdiction to make and promulgate the Order hereinafter set forth.

3. The principal producing sand or zone in this area is the Goodridge Sand producing from shallow sand and low pressure.

4. That there has been no systematic development through the Mexican Hat Area.

5. By Order entered in Cause No. 156-1 dated September 25, 1974, the Board established five-acre spacing for drilling wells and not less than two hundred feet from any property or lease line or from the boundary of any legal subdivision comprising a governmental quarter-quarter section or equivalent lot or lots of comparable size and location and not less than 330 feet from any producible oil well, unless otherwise specifically permitted by order of the Board after notice and hearing.

6. That the oil wells producing on tracts in Sections 31 and 32, Township 41 South, and Sections 4, 5, 6, 7 and 8, Township 42 South, Range 19 East, Salt Lake Meridian, San Juan County, State of Utah, are all producing from the Goodridge producing sand.

7. That the Goodridge formation is confined to certain pockets of permeability and ^{porosity} ~~porosity~~ requiring the drilling of holes in an irregular pattern in order to discover and drain all of the recoverable oil and associated hydrocarbons from said formation.

8. That in order to facilitate the location and commercial production of oil in this area, it is necessary to allow for an amendment to the Order in Cause No. 156-1 so as to permit the drilling of wells on unrestricted spacing in the aforesaid sections.

O R D E R

IT IS THEREFORE ORDERED:

A. That an exception is hereby granted to the provisions of Rule C-3, General Rules and Regulations, Division of Oil, Gas

and Mining, so as to permit the drilling of wells on unrestricted spacing to best accommodate the prevention of waste and protection of correlative rights in the development of the field and to maximize ultimate future recovery of oil and associated hydrocarbons insofar as and only insofar as the Goodridge Formation in Sections 31 and 32, Township 41 South, and Sections 4, 5, 6, 7 and 8, Township 42 South, Range 19 East, Salt Lake Meridian, San Juan County, State of Utah, and the Order of this Board in Cause No. 156-1 is hereby amended accordingly.

B. It is further Ordered that no well in said Sections shall be drilled less than 50 feet from any property or lease line or from the boundary of any legal subdivision comprising a governmental quarter-quarters section or equivalent lot or lots of comparable size unless otherwise specifically permitted by order of the Board after notice and hearing.

C. That this Order is a temporary order and the Board, on its own motion or the motion of any interested party, may file an application requesting a hearing to present new evidence covering the matter set forth herein.

D. That the Board retains continuing jurisdiction of all matters covered by this Order and particularly retains continuing jurisdiction to make further orders as appropriate and authorized by statute and applicable regulations.

ENTERED AND EFFECTIVE this 15th day of ^{April} ~~May~~, 1980.

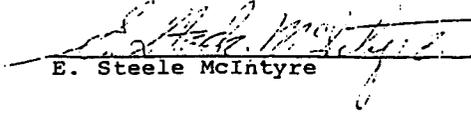
BOARD OF OIL, GAS AND MINING OF
THE STATE OF UTAH

Charles R. Henderson

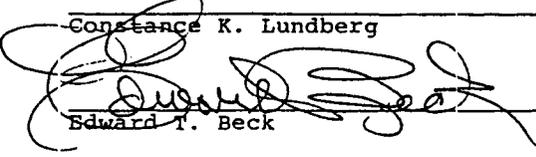
John L. Bell

Thadeus W. Box

C. Ray Juvelin


E. Steele McIntyre

Constance K. Lundberg


Edward T. Beck

OPERATOR Sutherland Oil Company (N7325) DATE 1-22-90

WELL NAME 7-4

SEC NESE 7 T 42S R 19E COUNTY San Juan

43-037-31486
API NUMBER

Federal Fee
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD
(S)

POTASH OR OIL SHALE

10,000 #90-02-2-1

PROCESSING COMMENTS:

Nearest well ok under Cause No. 156-3
Water Permit 09-944 (Culinary Water)
Bond received 2-2-90
Presite 2-2-90

APPROVAL LETTER:

SPACING: R615-2-3 N/A R615-3-2
UNIT
 156-3 4-15-80 R615-3-3
CAUSE NO. & DATE

STIPULATIONS:

1. Fee Stipulation



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

February 6, 1990

Sutherland Oil Company
P. O. Box 356
Mexican Hat, Utah 84531

Gentlemen:

Re: #7-4 - NE SE Sec. 7, T. 42S, R. 19E - San Juan County, Utah
2340' FSL, 950' FEL

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 156-3 dated April 15, 1980, subject to the following stipulation:

Sutherland Oil Company, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.

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 7.
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 R615-3-20, 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.
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 43-037-31486.

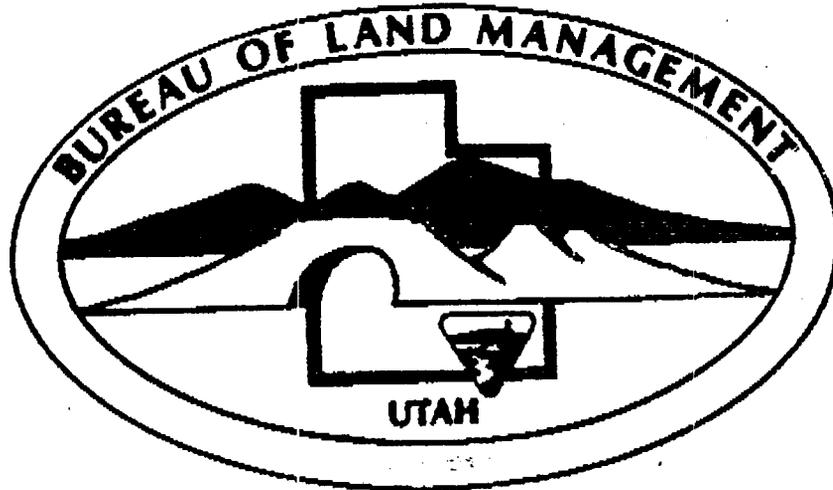
Sincerely,



R. J. Birth
Associate Director, Oil & Gas

lcr
Enclosures
cc: Bureau of Land Management
D. R. Nielson
J. L. Thompson
WE14/7-8

F A X TRANSMITTAL



To: Tammy Searing (Dogni)
From: Verlene Butts (BLM)
Subject: Extension on Approved Ads
Number of Pages: 2
FAX Machine No.: _____
Date: 12/19/90
Time: 1:50 P.M.
USO Log No.: _____
Comments:

USO Form 1542-3
(August 1989)



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter
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

August 7, 1992

Sutherland Oil Company
P.O. Box 158
Mexican Hat, Utah 84531

Gentlemen:

Re: #7-4, Sec. 7, T. 42S, R. 19E, San Juan County, Utah
API No. 43-037-31486

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded, effective immediately.

Please note that a new Application for Permit to Drill must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

Don Staley
Administrative Supervisor
Oil and Gas

DME/lhc

cc: R.J. Firth
Well file

WOI219