

UTAH OIL AND GAS CONSERVATION COMMISSION

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

9-18-86 computer

DATE FILED 11-21-80

LAND FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-38401 INDIAN

DRILLING APPROVED: ~~11-21-80~~ 12-1-80

SPUDDED IN:
COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:
GRAVITY A.P.I.

GOR:
PRODUCING ZONES:

TOTAL DEPTH:
WELL ELEVATION

DATE ABANDONED: 2-3-84 LA application rescinded

FIELD: Horseshoe Bend 3/86

UNIT:
COUNTY: Uintah

WELL NO. Horseshoe Bend Federal #1-26 #1C-26 API NO. 43-047-30814

LOCATION 1277' 1327' FT FROM (X) (S) LINE. 1087' FT FROM (X) (W) LINE. NW SW 1/4 - 1/4 SEC 26 SLBM ✓

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
6S	21E	26	SNYDER OIL COMPANY				

energy drilling specialists, inc.



821 17th st. suite 306
denver, colorado 80202
(303) 573-7011

5000 lakeshore drive
littleton, colorado 80123
(303) 795-7665

November 11, 1980

RECEIVED

NOV 12 1980

DIVISION OF
OIL, GAS & MINING

United States Geological Survey
1745 W. 1700 South Suite 2000
Salt Lake City, Utah 84104

Attention: Edgar Guynn

Re: Snyder Oil Company
Uintah County, Utah

Gentlemen:

Please find enclosed Application to Drill, Ten Point Program and Multipoint surface Use and Operation Plan for the following wells.

Horseshoe Bend Federal 1-26
Sec. 26-6S-21E
Ls. # U38401

Horseshoe Bend Federal 1-35
Sec. 35-6S-21E
Ls. # U-38404

West Walker Federal 1-9
Sec. 9-7S-22E
Ls # U-38412

These wells are to be drilled after December 1, 1980. If you have questions concerning these wells, please contact us. Thank you for your cooperation in this matter.

VERY truly yours,

ENERGY DRILLING SPECIALISTS, INC.

John S. McCatharn
JOHN S. MCCATHARN

JSM:d
Encls.

cc: Bureau of Land Management - Vernal Utah
Snyder Oil Company - Denver, Co.
Division of Oil, Gas & Mining - Salt Lake City, Utah

fax 910 931-2586 eds inc dvr

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
 Snyder Oil Company

3. ADDRESS OF OPERATOR
 410 17th St., Suite 1300 Denver, Co. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1087' FWL and 1327' FSL 26-6S-21E NW SW
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 15 miles south Vernal Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1087

16. NO. OF ACRES IN LEASE 637.45

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

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

19. PROPOSED DEPTH 3990 Green River

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4937' ungraded ground

22. APPROX. DATE WORK WILL START*
 12-1-80

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	200	Sufficient to reach surface
7 7/8	5 1/2	15.5	TD	Depends on productive zones

- See attached:
- 1) Ten Point Drilling Program
 - 2) Multipoint Surface Use and Operation Plan

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
 DATE: 11/21/80
 BY: OB Feight

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 John McCathern TITLE Agent DATE 11-11-80

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

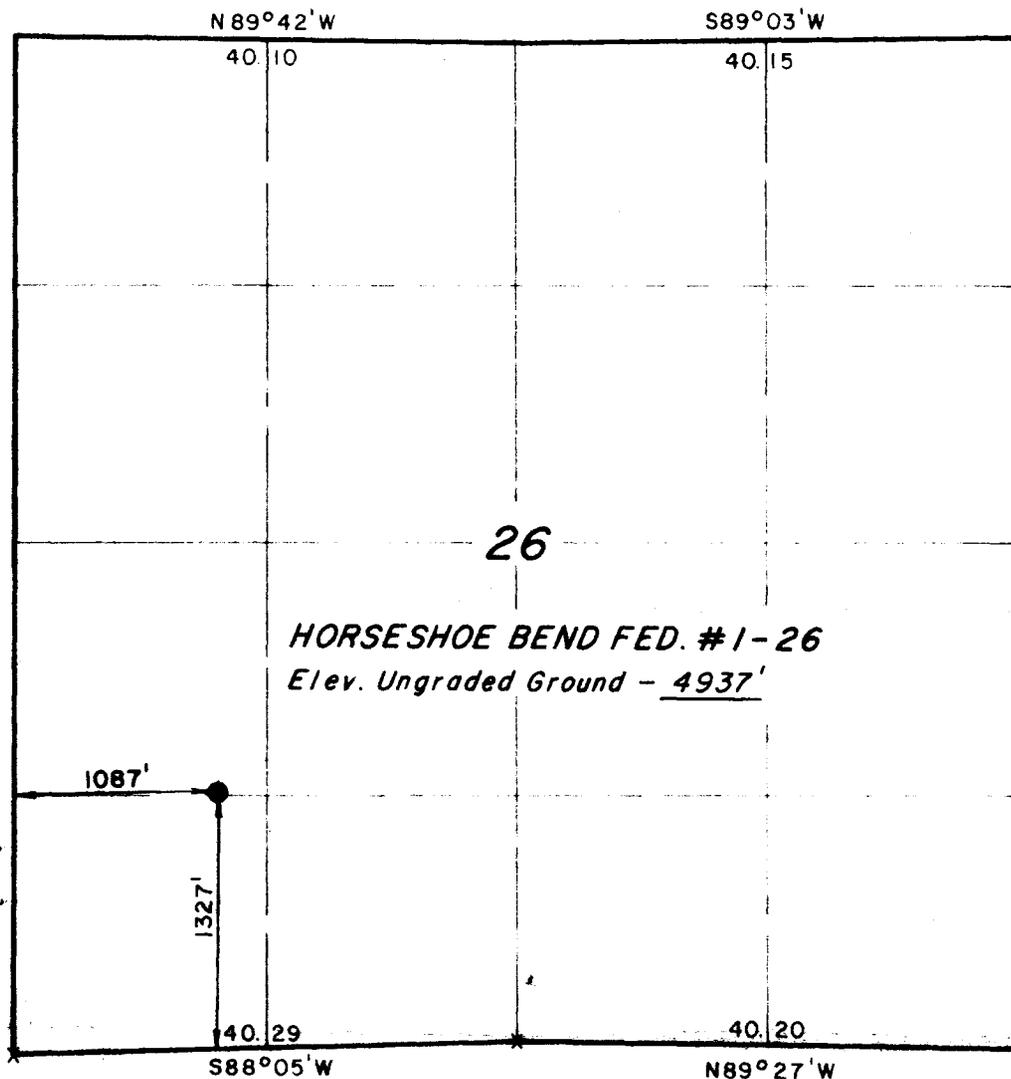
CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO. U-38401
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME Horsehoe Bend Federal
 9. WELL NO. 1-26
 10. FIELD AND POOL, OR WILDCAT Horsehoe Bend
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 26-6S-21E
 12. COUNTY OR PARISH Uintah
 13. STATE Utah

T6S, R21E, S.L.B.&M.

PROJECT
SNYDER OIL COMPANY

Well location *HORSESHOE BEND FED.*
#1-26, located as shown in the NW1/4
SW1/4, Section 26, T6S, R21E, S.L.B.&M.,
Uintah County, Utah.



X = Section Corners Located



PLAT OF SURVEY CERTIFICATE
I, the undersigned, being duly sworn, depose and say that the foregoing plat was prepared from the original field notes and surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

REGISTERED LAND SURVEYOR
REGISTRATION NO 3137
STATE OF UTAH

Revised : 11/6/80

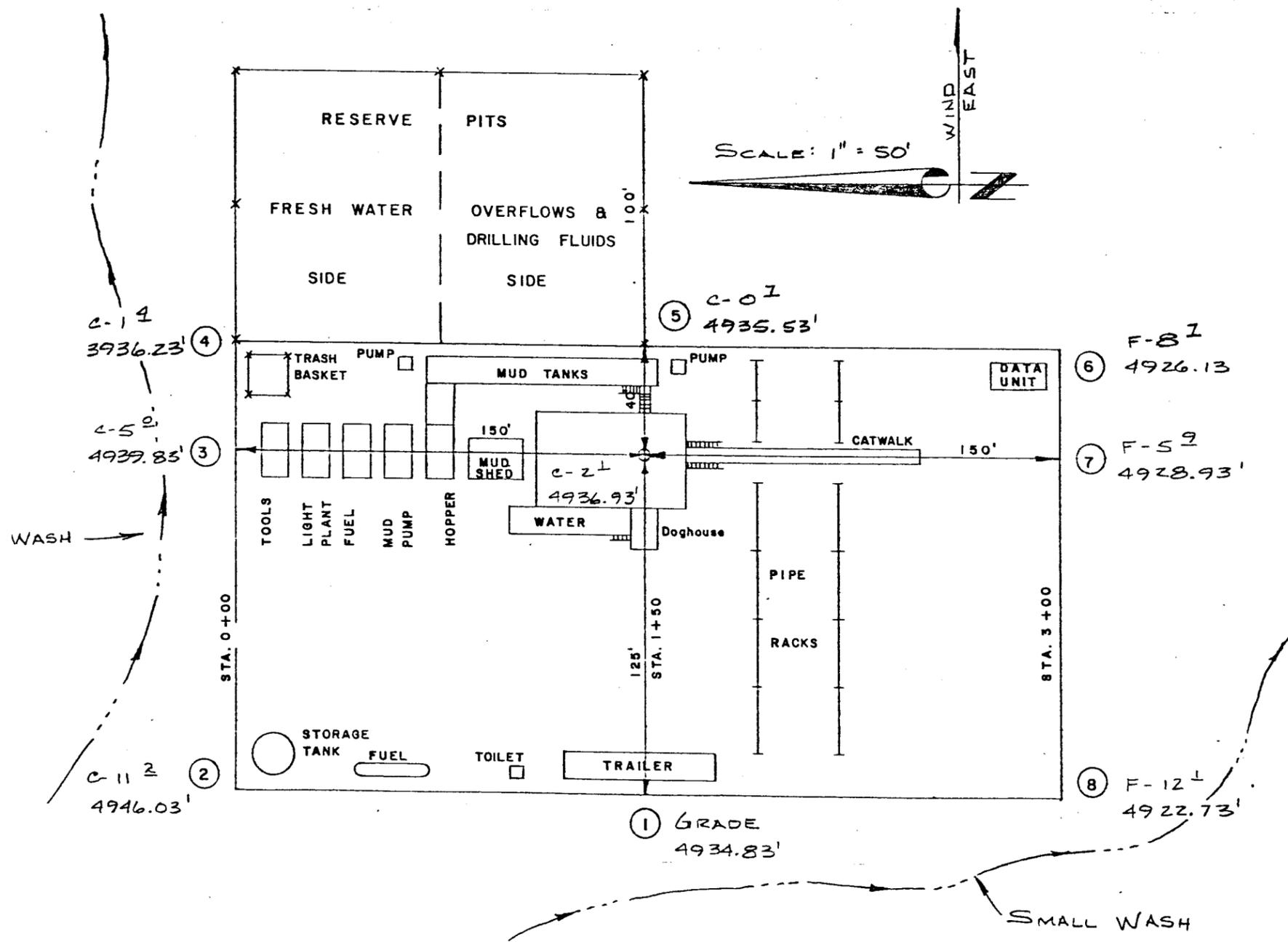
UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	7 / 31 / 80
PARTY	RK DB AW	REFERENCES	GLO Plat
WEATHER	Clear, Hot	FILE	SNYDER OIL COMPANY

3) LOCATION OF EXISTING WELLS

Within a one mile radius the following wells are identified by category and listed below.

1. Water wells - none
2. Abandoned wells - Producing
 - NWSE 26-6S-21E
 - NWSE 26-6S-21E
 - NWNW 35-6S-21E
 - SESW 27-6S-21E
 - SWNE 27-6S-21E
- Dry hole - none
3. Temporarily abandoned wells - none
4. Disposal wells - none
5. Drilling wells - none
 - Locations: SWNW 27-6S-21E
 - NWSE 35-6S-21E
6. Producing wells
 - SESW 34-6S-21E
 - SESW 34-6S-21E
7. Shut-in wells - none
8. Injection wells - none
9. Monitoring or observation wells - none



① GRADE
4934.83'

⑤ C-01
4935.53'

⑥ F-81
4926.13

⑦ F-52
4928.93'

⑧ F-121
4922.73'

C-14
3936.23'

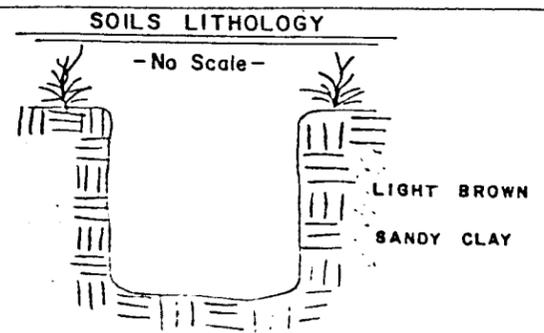
C-52
4939.83'

C-112
4946.03'

WASH

SMALL WASH

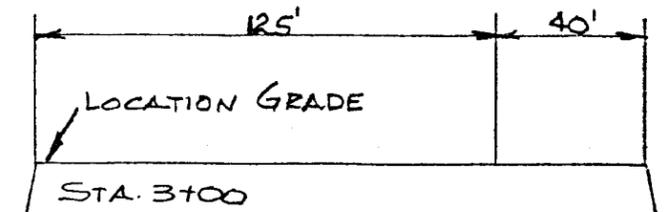
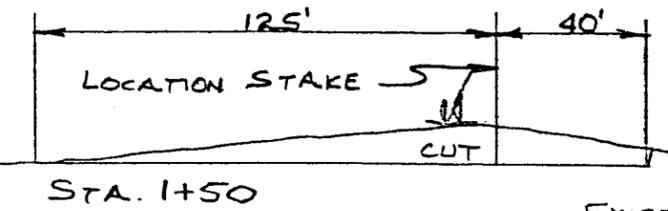
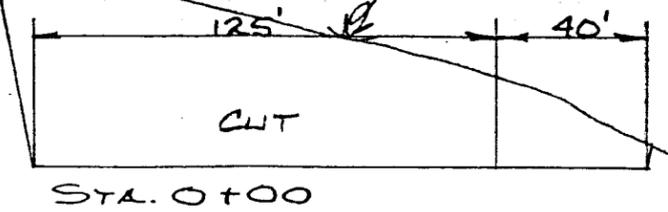
EXISTING ROAD



SNYDER OIL COMPANY

HORSESHOE BEND FED. # 1-26

C
R
O
S
S
S
E
C
T
I
O
N
S



1" = 10'
1" = 50'

Cubic Yards of Cut -
Cubic Yards of Fill -

APPROXIMATE YARDAGES

9) DRILLING HAZARDS

None expected

10) STARTING DATE 12-1-80 DURATION 10 DAYS

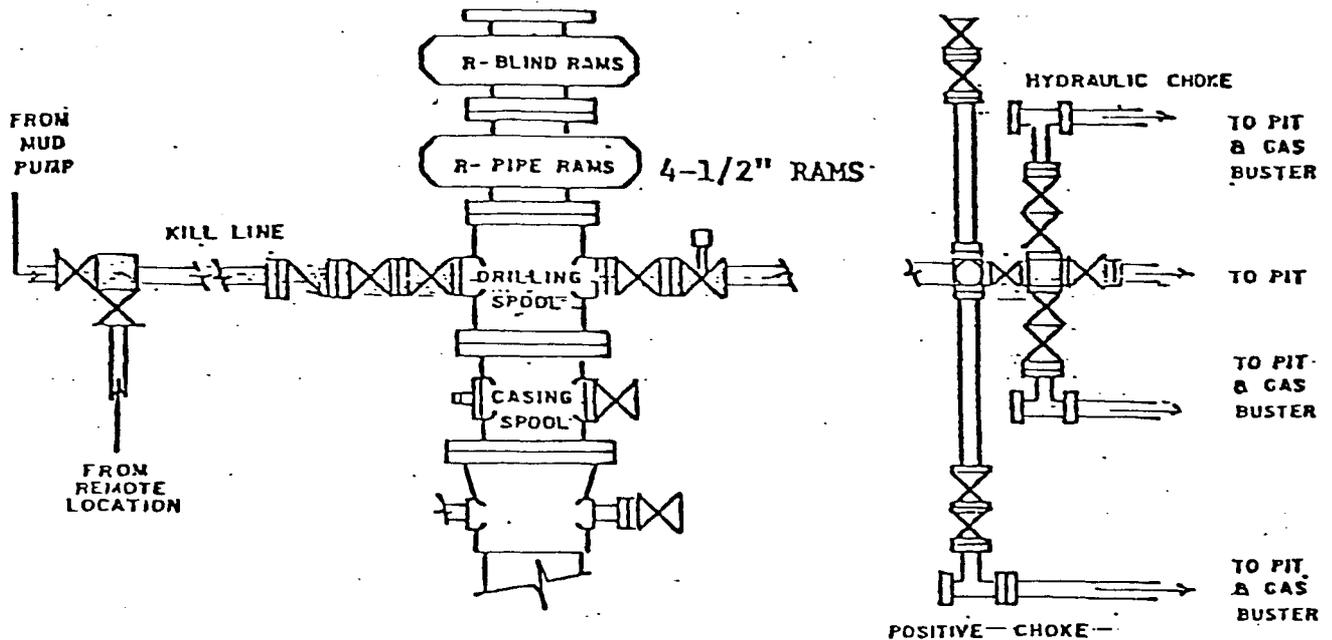
DRILLING PROGRAM PREPARED BY ENERGY DRILLING SPECIALISTS, INC.


JOHN S. McCATHARN- Engineer

(EXHIBIT 1)

3000 psl

psi Working Pressure BOP's



Note: Pipe rams to be operated daily, Blind rams to be operated each trip.

Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- 2) Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
- 3) Test the following to rated pressure:
 - a) inside blowout preventer
 - b) lower kelly cock
 - c) upper kelly cock
 - d) stand pipe valve
 - e) lines to mud pump
 - f) kill line to BOP's
- 4) Close and test pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure.
- 8) Test kill line valves to rated pressure.

1) EXISTING ROADS

See attached topographic maps A & B. Take Highway 40 south out of Vernal and continue south when Highway 40 turns east. Travel 20.0 miles into location. The roads required for access during the drilling completion and production phases of this well will be maintained and improved at the standards required by the BLM or other controlling agencies.

2) PLANNED ACCESS ROAD

No new road will need to be constructed in order to gain access to the location.

Onsite inspection field comments:

4)

LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, PRODUCTION
GATHERING AND SERVICE LINES

At the present time there are no Snyder Oil Company batteries, production facilities, oil gathering lines, gas gathering lines, injection or disposal lines within a two mile radius.

In the event that production of this well is established, then the existing area of the location will be utilized for the establishment of the necessary production facilities.

This area will be built, if possible, with the native materials and if these materials are not available, then the necessary arrangements will be made to get them from private sources.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

The rehabilitation of the disturbed area that is not required for the production of this well, will meet the requirements of Items #7 and #10 and these requirements and standards will be adhered to.

If production facilities are necessary, these facilities will be constructed as shown in Figure 1.

Onsite inspection field comments

5) LOCATION AND TYPE OF WATER SUPPLY

Water will be pumped from the Green River. The length of water line will be under 1 mile. A state water permit has been approved and is enclosed.

The existing roads and proposed roads previously noted will be all that are needed. No water well will be drilled for this operation.

Onsite inspection field comments:

6)

SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required the appropriate actions will be taken to acquire them from private sources.

7)

METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet. A reserve and burn pit will be constructed.

The reserve pit will be approximately 8' deep and at least one half of this depth shall be below the surface of the existing ground.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals. A test tank will be used to contain produced fluids.

If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed at such time as deemed necessary to protect the water fowl, wildlife, domestic animals.

On the onset of drilling, this reserve pit will be fenced on three sides and at the time the drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

When the reserve pit dries and the reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

Trash will be placed in a completely enclosed container and hauled off the location.

All flammable materials will be burned and then buried upon completion of this well.

A portable chemical toilet will be supplied for human waste.

8) ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9) WELL SITE LAYOUT

See attached Location Layout Sheet. The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area. Then the pits will be lined with a gel and any other type material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10) PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

As mentioned in Item #7, the reserve pit will be completely fenced and wired and overhead wire and flagging installed, if there is oil in the pits, and then allowed to completely dry before covering.

Restoration activities shall begin as soon as possible after the reserve pit has dried up, and will be completed without undue delay.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11) OTHER INFORMATION

The drillsite is located in an area of moderate slope (see cross section). The Surface is the Uinta formation, light brown sandy clay with sparse sagebrush cover. There are no trees on the proposed location.

General use of the surface is grazing. The new road and location are federally owned.

An archeological report will be filed on this prospect under separate cover.

The closest water is located in the Green River.

Onsite inspection field comments:

12) LESSEE'S OR OPERATOR'S REPRESENTATIVE

Paul Gayer
Snyder Oil Company
410 17th Street Suite 1300
Denver, Co. 80202

Telephone - 303-573-6521

13) CERTIFICATION

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


JOHN S. McCATHARN

I hereby certify that John S. McCatharn as my agent, has prepared the drilling program, Application for Permit to Drill and supplemental information contained herein. I have reviewed this application and hereby acknowledge that the plans, terms and conditions outlined herein will be performed by Snyder Oil Company.


PAUL GAYER

FIGURE 1

FUTURE PRODUCTION FACILITY LAYOUT

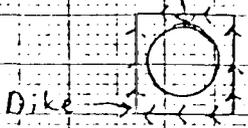
Snyder Oil Company
Horseshoe Bend Federal #1-26
NW SW Section 26 T6S R21E
Utah County, Utah

Reserve Pit

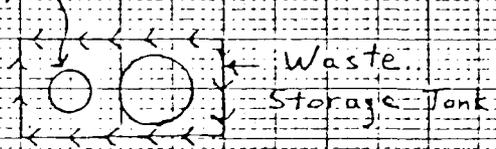


Well

Oil Storage Tank



Separator



Separator and Tanks are to be located in areas of cut.

Scale: 1" = 50'

46 1470

1/2" X 10" TO 1" INCH • 11 1/2" X 10" INCHES
WILSON & ESSER CO. MADE IN U.S.A.

APPLICATION TO APPROPRIATE WATER
STATE OF UTAH

45-4564

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation Domestic Stockwatering Municipal Power Mining Other Uses

2. The name of the applicant is Snyder Oil Company

3. The Post Office address of the applicant is 410 17th St., Denver, Colo. 80202

4. The quantity of water to be appropriated 65 second-feet and/or 52 acre-feet

5. The water is to be used for drilling gas wells from November 1 to February 28, 1981
(Major Purpose) (Month) (Day) (Month) (Day)

other use period None from to
(Minor Purpose) (Month) (Day) (Month) (Day)

and stored each year (if stored) from not stored to
(Month) (Day) (Month) (Day)

6. The drainage area to which the direct source of supply belongs is
(Leave Blank)

7. The direct source of supply is* Green River
(Name of stream or other source).

which is tributary to Colorado River, tributary to Pacific Ocean

*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Uintah County, situated at a point*
see page 2

*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of 3" aluminum pipeline and portable pump
to pump water from the Green River

10. If water is to be stored, give capacity of reservoir in acre-feet 1.29 height of dam none
area inundated in acres .17 legal subdivision of area inundated
Water will be stored in tanks at areas listed in question 20.

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:
Not for irrigation

Total Acres

12. Is the land owned by the applicant? Yes No X If "No," explain on page 2.

13. Is this water to be used supplementally with other water rights? Yes No X
If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity.
Not for power.

15. If application is for mining, the water will be used in Mining District at
the mine, where the following ores are mined

16. If application is for stockwatering purposes, number and kind of stock watered

17. If application is for domestic purposes, number of persons, or families

18. If application is for municipal purposes, name of municipality

19. If application is for other uses, include general description of proposed uses The water will be
used to furnish water to drill 4 gas wells.

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. See second page

21. The use of water as set forth in this application will consume 65/52 second-feet and/or acre-foot of water and 0 second feet and/or acre feet will be returned to the natural stream or source at a point described as follows: None returned.

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

Question 8 - Location of diversion.

The location of diversion will vary as shown below for the various gas wells. Your office was contacted, and it was decided that one permit was the appropriate way to file for water rather than file a permit for each separate gas well. Dorothy Boulton was the person contacted.

The high point of diversion on the Green River will be at point 2400' FNL and 1800' FEL Sec. 2 T7S R21E. The low point of diversion on the Green River will be at point 2000' FNL and 2100' FWL of Section 27 T6S R21E.

Question 12 - Minerals under the ground are leased by applicant. The surface is federally controlled.

Question 20 - The water will be used within the Horseshoe Bend Area (field is not named since these wells are exploratory) within the following sections:

Section 35 T6S R21E

Section 26 T6S R21E

Section 2 T7S R21E

Section 27 T6S R21E

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

R. C. [Signature]
Signature of Applicant*

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH, }
County of..... } ss

On the day of, 19....., personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:

(SEAL)

Notary Public

FEEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

RECEIVED

AUG 20 1980

Flow rate — c.f.s.	Cost	
0.0 to 0.1	\$ 15.00	
over 0.1 to 0.5	30.00	
over 0.5 to 1.0	45.00-	
over 1.0 to 15.0	45.00	plus \$7.50 for each cfs above the first cubic
over 15.0	150.00	foot per second.

Storage — acre-feet

0 to 20	22.50-	
over 20 to 500	45.00	
over 500 to 7500	45.00	plus \$7.50 for each 500 a.f. above the first
over 7500	150.00	500 acre feet.

RECEIVED

SEP 5 1980

WATER RIGHTS

(This section is not to be filled in by applicant)

STATE ENGINEER'S ENDORSEMENTS

1. 8-20-80 Application received by mail over counter in State Engineer's office by RT
2. Priority of Application brought down to, on account of
3. 9/15/80 Application fee, \$45.00, received by WA Rec. No. 08141
4. Application microfilmed by Roll No.
5. Indexed by Sept 16, 80 TC Platted by
6. 8/27/80 Application examined by R.F.H.
7. 8/27/80 Application returned, R.H. or corrected by office
8. 9/8/80 Corrected Application resubmitted by mail over counter to State Engineer's office.
9. 9/10/80 Application approved for advertisement by R.F.H.
10. Notice to water users prepared by
11. Publication began; was completed
- Notice published in
12. Proof slips checked by
13. Application protested by
14. Publisher paid by M.E.V. No.
15. Hearing held by
16. Field examination by
17. 10/6/80 Application designated for approval SG & R.F.G.
18. 10/9/80 Application copied or photostated by dph proofread by
19. 10/9/80 Application approved rejected
20. Conditions:

This Application is approved, subject to prior rights, as follows:

- a. Actual construction work shall be diligently prosecuted to completion.
- b. Proof of Appropriation shall be submitted to the State Engineer's office by NPR
- c. TEMPORARY APPLICATION -- EXPIRES FEBRUARY 23, 1981.

TEMPORARY

Dee C. Hansen
Dee C. Hansen, State Engineer

21. Time for making Proof of Appropriation extended to
22. Proof of Appropriation submitted.
23. Certificate of Appropriation, No., issued

TEMPORARY

Application No. 55205

** FILE NOTATIONS **

L

DATE: Nov. 21, 1980

OPERATOR: Snyder Oil Company

WELL NO: Horseshoe Bend Federal 1-26

Location: Sec. 26 T. 6S R. 21E County: Uintah

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-047-30814

CHECKED BY:

Petroleum Engineer: _____

Director: OR as per order issued in case 145-2

Administrative Aide: Widest spacing

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. 145-2 OCT 23, 1980 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

Plotted on Map

Approval Letter Written

Hot Line

P.I.

3

December 1, 1980.

Snyder Oil Company
410 17th St., Suite 1300
Denver, Colo. 80202

RE: Well No. West Walker Federal #1-33, Sec. 33, T. 6S, R. 22E, Uintah County, Utah
RE: Well No. Horseshoe Bend Federal #1-26, Sec. 26, T. 6S, R. 21E, Uintah County, Utah
RE: Well No. West Walker Federal #1-9, Sec. 9, T. 7S, R. 22E, Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas wells is hereby granted in accordance with the Order issued in Cause No. 145-2 dated October 23, 1980.

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

MICHAEL T. MINDER -Petroleum Engineer
OFFICE: 533-5771
HOME: 876-0001

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 contractors and rig numbers be identified.

The API numbers assigned to these wells are: #1-33 (43-047-30815); #1-26 (43-047-30814); #1-9 (43-047-30813).

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Original Signed By M. T. Minder

MICHAEL T. MINDER
PETROLEUM ENGINEER



United States Department of the Interior

IN REPLY REFER TO

T & R
U-801

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

December 16, 1980

Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

RE: Joint Onsite Inspection
Snyder Oil Company
T6S, R21E, Sections 26 & 35
Federal #1-26, U-38401
Federal #1-35, U-38404

Dear Sir:

On December 16, 1980 a joint onsite inspection was made of the above referenced well site locations and proposed access roads by people representing Snyder Oil Company, USGS, and the BLM. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. The maximum width of access roads will be 30 feet total disturbed area. Turnouts will not be required and travelling off the right-of-way will not be allowed.
3. Topsoil will be stockpiled as addressed in the applicants 13 point plan. Our office recommends the top 6-10 inches of soil materials be stockpiled.
4. The BLM will be notified at least 24 hours prior to any construction.
5. The BLM will be notified at least 24 hours prior to any rehabilitation.



6. A burn pit will not be constructed. There will be no burying of garbage and trash at the well sites. All trash must be contained and hauled to an approved disposal site.
7. At location Federal #1-26, the entire pad will be moved 50 feet directly south. At this same location, the topsoil will be stockpiled in the northwest corner between stakes 2 and 3.
8. All permanent (on site for six (6) months duration or longer) structures constructed or installed shall be painted a flat (non-reflective) earth tone color to match Olympic (Division of Comerco, Inc., Seattle, WA 98107) Overcoat "CLAY". Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.

An archaeological clearance has been conducted by Archaeological-Environmental Research Corporation of the proposed drill sites and access roads. No cultural materials were located on the surface of the survey areas.

The proposed activities do not jeopardize listed, threatened, or endangered flora/fauna and their habitats.

Sincerely,



Ralph Heft
Area Manager
Diamond Mountain Resource Area

cc: USGS, Vernal

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
Snyder Oil Company

3. ADDRESS OF OPERATOR
410 17th St., Suite 1300 Denver, Co. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 1087' FWL and 1327' FSL 26-6S-21E
At proposed prod. zone 1277'

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15 miles south Vernal Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1087

16. NO. OF ACRES IN LEASE
637.45

17. NO. OF ACRES ASSIGNED TO THIS WELL
20

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

19. PROPOSED DEPTH
3990

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4937' ungraded ground

22. APPROX. DATE WORK WILL START*
12-1-80

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	200	Sufficient to reach surface. Depends on productive zones.
7 7/8	5 1/2	15.5	TD	

See attached:

- 1) Ten Point Drilling Program
- 2) Multipoint Surface Use and Operation Plan

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 John McCathran TITLE Agent

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY W. W. Mouton FOR E. W. GUYNN DISTRICT ENGINEER

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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

NOTICE OF APPROVAL

Production Facilities and Flowline NOT Approved

State Oil & Gas

RECEIVED
MAR 23 1981

DIVISION OF OIL, GAS & MINING

*Location Change

5. LEASE DESIGNATION AND SERIAL NO.
U-38401

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
C

UNIT AGREEMENT NAME

FARM OR LEASE NAME
Horseshoe Bend Federal

9. WELL NO.
1-26

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA
26-6S-21E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

17. NO. OF ACRES ASSIGNED TO THIS WELL
20

22. APPROX. DATE WORK WILL START*
12-1-80

QUANTITY OF CEMENT
Sufficient to reach surface.
Depends on productive zones.

MAR 23 1981

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH
TO: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH
SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-38041

OPERATOR: Snyder Oil WELL NO. 1-26

LOCATION: SE 1/4 NW 1/4 SW 1/4 sec. 26, T. 6S., R. 21E., SLM
Uintah County, Utah

1. Stratigraphy:

Uintah	surface
Green River	<u>3942</u>
<u>TD</u>	<u>3990'</u>

2. Fresh Water:

Possible throughout the Uintah

3. Leasable Minerals:

None expected

4. Additional Logs Needed: Adequate

5. Potential Geologic Hazards: None expected

6. References and Remarks:

Signature: Gregory W Wood

Date: 11 - 28 - 80

Identification CER/EA No. 90-81

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

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Snyder Oil Company
Project Type Gas Well Drilling
Project Location 1087' FWL 1277' FSL Section 26, T. 6S, R. 21E
Well No. 1-26 Lease No. U-38401
Date Project Submitted November 12, 1980

FIELD INSPECTION Date December 16, 1980

Field Inspection
Participants Greg Darlington USGS, Vernal
Gary Slagel BLM, Vernal
Earl Cody Ross Construction
John McCatharn Snyder Oil Company

Related Environmental Documents: Unit Resource Analysis, Ashley Creek
Planning Unit, BLM, Vernal.

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.

December 29, 1980
Date Prepared

Gregory Darlington
Environmental Scientist

I concur
12/30/80
Date

E. S. Long
District Supervisor

Typing In 12-29-80 Typing Out 12-29-80

PROPOSED ACTION:

Snyder Oil Company proposes to drill the Snyder 1-26 well, a 3990 foot gas test of the Uintah and Green River formations. At the onsite it was decided to move the location 50 feet south to mitigate cut and fill and better situate the reserve pits. About .6 miles of existing road will be widened to 18 foot driving surface and upgraded for access to the location. A pad 165 feet by 300 feet and a reserve pit 100 feet by 150 feet are proposed for the project. Water will be pumped from the Green River rather than hauled to the location.

RECOMMENDED APPROVAL CONDITIONS:

Drilling should be allowed provided the operator agrees to incorporate the following measures into the APD and operating plans and adhere to them:

1. Lease Stipulations
2. BLM Stipulations
3. Provide adequate logs as requested by the Mineral Evaluation and Mining Reports.
4. Maintain approved water use permits for the sources used during drilling operations. (Temporary permits have been included in the APD.)

FIELD NOTES SHEET

Date of Field Inspection: December 16

Well No.: 1-26

Lease No.: U-38401

Approve Location: with Modification

Approve Access Road:

Modify Location or Access Road: Moved location 50 feet South because of drainage and to mitigate cut and fill.

Evaluation of Criteria for Categorical Exclusion

1. Public Health and Safety
2. Unique Characteristics
3. Environmentally Controversial Items
4. Uncertain and Unknown Risks
5. Establishes Precedents
6. Cumulatively Significant
7. National Register Historic Places
8. Endangered/Threatened Species
9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

Comments and special conditions of approval discussed at onsite: (include local topography) Access Road is existing road but will need

considerable improvement for the last .6 miles

About 280 feet above river level, Drainage ~~at~~ ^{at least} one mile length to the river, Nearby Teton well is ^{mis} ~~is~~ staked in this section and will need an exception but this one is OK for Snyder.

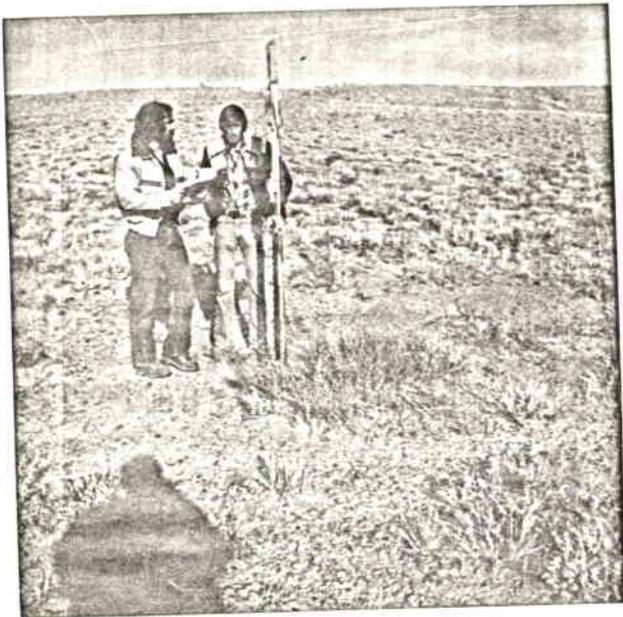
a more

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

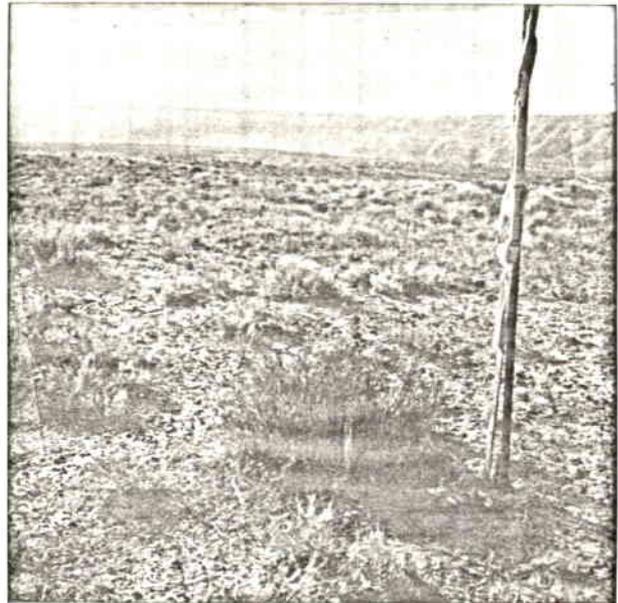
Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Correspondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety							1, 2, 3, 6	12-16-80	
2. Unique characteristics							1, 2, 3, 6	12-16	
3. Environmentally controversial							1, 2, 3, 6	12-16	
4. Uncertain and unknown risks							1, 2, 3, 6	12-16	
5. Establishes precedents							1, 2, 3, 6	12-16	
6. Cumulatively significant							1, 2, 3, 6	12-16	
7. National Register historic places							1, 6	12-16	
8. Endangered/threatened species							1, 6	12-16	
9. Violate Federal, State, local, tribal law							1, 2, 3, 6	12-16	

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

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



North View
Snyder 1-26 T6S, R21E



Southwest View
Snyder 1-26 T6S, R21E

Oil and Gas
U-38401

Stipulation

No occupancy or other surface disturbance will be allowed within 600 feet of live water located in lots 5 and 7 Sec. 25, T. 6 S., R. 21 E., SLM, Utah, is allowed under this lease. This distance may be modified when specifically approved in writing by the District Engineer, Geological Survey, with the concurrence of the District Manager, Bureau of Land Management.

Oil and Gas
U-38401

Stipulation

The lands under this lease contain an unplugged well. Should the lessee acquire title to the unplugged well on lands covered by this lease, (a) the lessee shall assume from the previous owner the responsibility for said well including, but not limited to, the eventual proper plugging and abandoning thereof, and (b) the lessee shall immediately after acquiring title to said well notify the Oil and Gas Supervisor, Casper, Wyoming, and file with the Bureau of Land Management, Salt Lake City, Utah, a bond in the penal sum of \$10,000 referred to in Sec. 2(a)(2) of this lease.

Snyder Oil Company
Well No. 1C-26
Section 26, T.6S., R.21E.
Uintah County, Utah
Lease U-38401

Supplemental Stipulations

- 1) The maximum width of access roads will be 30 feet total disturbed area. Turnouts will not be required and traveling off the right-of-way will not be allowed.
- 2) Topsoil will be stockpiled as addressed in the applicant's 13 Point Plan. The BLM has recommended the top 6-10 inches of topsoil material be stockpiled.
- 3) The BLM will be notified at least 24 hours prior to any construction.
- 4) The BLM will be notified at least 24 hours prior to any rehabilitation.
- 5) A burn pit will not be constructed. There will be no burying of garbage or trash at the location. No trash will be thrown in the reserve pit. All trash must be contained and hauled to the nearest sanitary landfill.
- 6) All permanent (on site for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective, earth tone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. All facilities shall be painted 6 months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.
- 7) Reserve pits will be fenced with a wire mesh fence topped with at least one strand of barbed wire.
- 8) The entire location will be moved 50 feet straight south.
- 9) The pit will be lined.
- 10) Topsoil will be stockpiled on north end of location.
- 11) Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons in the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale resource. Surface casing program may require adjustment for protection of fresh water aquifers. (See attached tentative casing and cementing program for the Uinta Basin.)



United States Department of the Interior

CONSERVATION DIVISION
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

February 2, 1981

General Outline for the Protection and Isolation of Ground Water and Oil Shale in the Uinta Basin.

The oil shale occurs with varying thicknesses in most parts of the Uinta Basin and at varying depths. Ground water also occurs at varied depths above and below the Oil Shale. These ground waters have varying degrees of salinity. Nonetheless, drilling for hydrocarbon in the Uinta Basin should provide for the protection of the oil shale and the ground water if either is present.

The protection of the oil shale and the ground water can effectively be carried on through the design of an adequate casing and cementing program for each well drilled in the area.

In the Uinta Basin, water occurs mainly in the Uinta and the Green River formations. As drilling for hydrocarbon gets deeper into the crust of the earth, more ground water might be encountered and will be protected as it is encountered.

This notice's purpose is to attempt to lay the groundwork for a casing program and cementing program that will protect the oil shale and the ground water if present.

These programs are to be considered as guidelines. The specificity of casing depth, amount of cement and the depth of staging collars will be considered on an individual basis after a careful study of the logs of each individual well. Cementing from the bottom up is an economical solution if carefully conducted.

The casing and cementing program presented here as an example, will assume that fresh water was encountered in the upper parts of the Green River, that the oil shale occurs in the middle of the Green River (1000 foot section) and that some ground water is encountered in the lower parts of the Green River.

In this case, three areas will have to be cemented to assure the integrity of the ground water and oil shale. These areas are above the upper fresh water, across the oil shale and below the lower water aquifer. Deep aquifers that do not contain useful water are cemented to prevent water zone influence on production.

The following casing and cementing program will be appropriate for this example:

- A. Surface casing is set at approximately 300 feet and cemented to the surface.

- B. The next casing string will be set at approximately 300 feet below the lowest aquifer. Cementing will be done in three stages, using two stage collars and cement baskets or equivalent as described below and on attached sketches:
1. Cement first stage through the casing shoe to fill annulus back to base of lower aquifer.
 2. Place 1st stage collar (with cement basket immediately below) at a selected point at the base of the oil shale. Cement will have to reach top of oil shale.
 3. Place 2nd stage collar (with cement basket immediately below) 50 feet above the top of the Bird's Nest aquifer and cement to at least 300 feet above the stage collar.
- C. The above is an example. Reasonable equivalents that accomplish these same protective measures, (such as cementing the water zones instead of isolating them), depending on the individual cases will be considered for approval.
- D. When the above mentioned well is to be abandoned, inner-casing plugs will have to be placed at the same depth as the above mentioned annulus cement jobs.

The use of cement bond logs will verify the authenticity of the cement job performed.

- E. The Operator of such well should notify U.S.G.S. 48 hours prior to commencement of casing and cementing activity, so a technician could be dispatched to witness the operations to verify compliance with casing and cementing program.

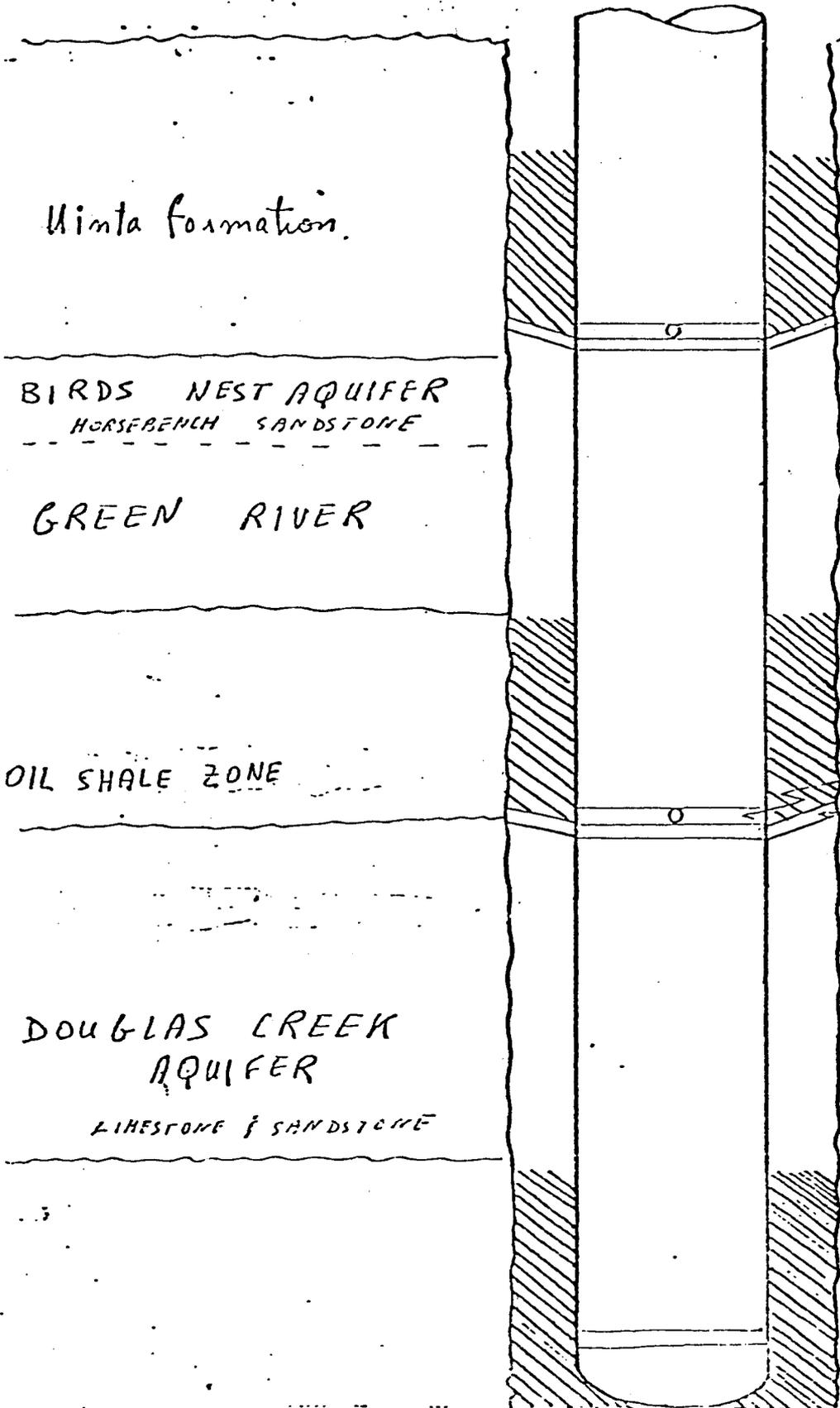
Attached Sketches:

1. Schematic of the required casing and cementing program.
2. Cross section of the Uinta Basin.
3. Schematic of the general ground water protection program.

E. W. Guynn
District Oil and Gas Supervisor

AMR/kr

PARTIAL CASING & CEMENTING PROGRAM FOR WELLS
NATURAL BUTTES FIELD. UINTAH COUNTY, UTAH



NO SCALE

CEMENT BASKET IS PLACED
50' ABOVE TOP AQUIFER.
CEMENT TO RISE A
LEAST 300' IN ANNULUS

STAGE COLLAR
CEMENT BASKET

CEMENT BASKET IS SET AT
CONSOLIDATED SECTION AT THE
BASE OF THE OIL SHALE ZONE
CEMENT TO REACH THE TOP
OF THE MAHOGANY ZONE

CEMENT WILL REACH BASE
OF LOWER AQUIFER

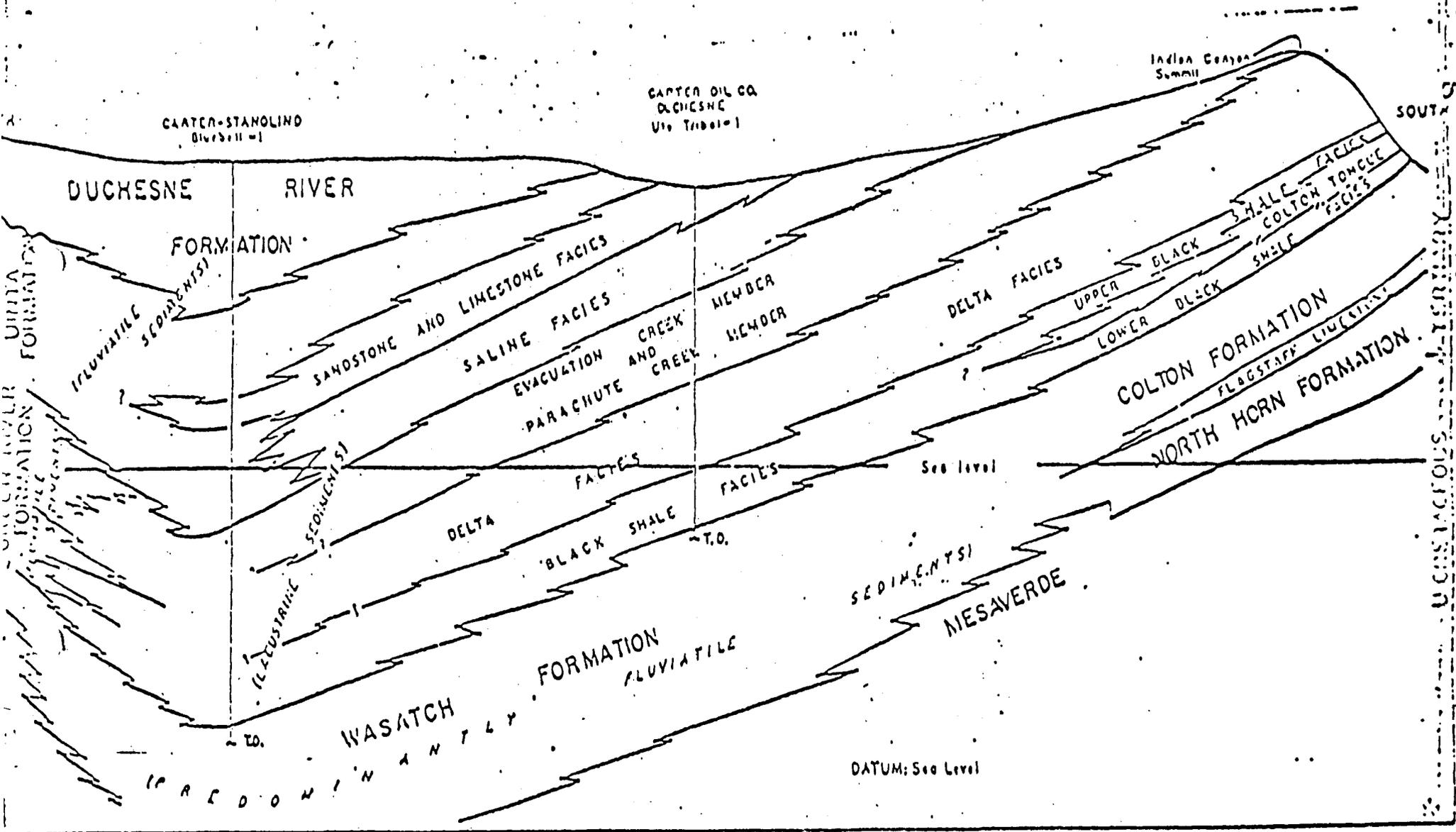


Figure 5.- View east of cross section of Uinta Basin showing stratigraphy and intertonguing of Tertiary rocks. Ute Tribal-1 (in section) is located about 8 miles southeast of the application area.



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE McINTYRE

October 13, 1981

Snyder Oil Company
SOCO Plaza 7th Floor
1800 Glenarm Pl.
Denver, CO. 80202

Re: See Attached Sheet

Gentlemen:

In reference to above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan on drilling this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

TERRI REID
CLERK TYPIST

~~Enclosure~~

Well No. Horseshoe Bend Federal 1-26
Sec. 26, T. 6S, R. 21E
Uintah County, Utah

Well No. Baser Draw Federal 2-31
Sec. 31, T. 6S, R. 22E
Uintah County, Utah

Well No. West Walker State 2-32
Sec. 32, T. 6S, R. 22E
Uintah County, Utah

Well No. West Walker State 1-32
Sec. 32, T. 6S, R. 22E
Uintah County, Utah

Well No. West Walker Federal 1-4
Sec. 4, T. 7S, R. 22E
Uintah County, Utah

Well No. Lansdale Federal 1-11
Sec. 11, T. 7S, R. 24E
Uintah County, Utah

Well No. Federal #1-3
Sec. 3, T. 8S, R. 22E
Uintah County, Utah

Well No. White River Federal 2-10
Sec. 10, T. 8S, R. 22E
Uintah County, Utah

Well No. Southman Canyon Federal #1-21
Sec. 21, T. 10S, R. 23E
Uintah County, Utah



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

February 5, 1982

Snyder Oil Company
410 17th Street
Suite 1300
Denver, Colorado 80202

Re: See attached

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

**If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill these wells, and action will be taken to terminate the application.

Well No. Horseshoe Bend Federal 1-26
Sec. 26, T. 6S, R. 21E
Uintah County, Utah

Well No. Baser Drawer Federal 2-31
Sec. 31, T. 6S, R. 22E
Uintah County, Utah

Well No. West Walker State 2-32
Sec. 32, T. 6S, R. 22E
Uintah County, Utah

Well No. West Walker State 1-32
Sec. 32, T. 6S, R. 23E
Uintah County, Utah

Well No. West Walker Federal 1-4
Sec. 4, T. 7S, R. 22E
Uintah County, Utah

Well No. Lansdale Federal 1-11
Sec. 11, T. 7S, R. 24E
Uintah County, Utah

Well No. Federal 1-3
Sec. 3, T. 8S, R. 22E
Uintah County, Utah

Well No. White River Federal 2-10
Sec. 10, T. 8S, R. 22E
Uintah County, Utah

Well No. Southerner Canyon Federal 1-21
Sec. 21, T. 10S, R. 23E
Uintah County, Utah

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

SUBMIT IN TRIPLICATE*
(Instructions on reverse side)

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-38401
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Snyder Oil Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR SOCO Plaza - 7th Floor 1800 Glenarm Place, Denver, CO 80202		8. FARM OR LEASE NAME Horseshoe Bend Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1087' FWL 1277' FSL SW ¼		9. WELL NO. 1-26
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4937' GR		11. SEC., T., R., M., OR B.L.K. AND SURVEY OR ABBA Section 26 T6S-R21E
12. COUNTY OR PARISH		13. STATE
Uintah		UT

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"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <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.) *

Snyder plans to drill this well in June 1982.

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

SIGNED Robert L. Namken TITLE DIV MGR/DRLG & PROD. DATE 2/17/82
(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(Reverse Side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

13

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
 Snyder Oil Company

3. ADDRESS OF OPERATOR
 410 17th St., Suite 1300 Denver, Co. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface 1087' FWL and 1327' FSL 26-6S-21E
 At proposed prod. zone 1277'

Name change & footage change on Reapproval

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 15 miles south Vernal Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit lbr, if any) 1087

16. NO. OF ACRES IN LEASE 637.45

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

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

19. PROPOSED DEPTH 3990

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4937' ungraded ground

22. APPROX. DATE WORK WILL START*
 11/01/82 (approx.)

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	200	Sufficient to reach surface
7 7/8	5 1/2	15.5	TD	Depends on productive zones

See attached:

- 1) Ten Point Drilling Program
- 2) Multipoint Surface Use and Operation Plan

ATTENTION: THE FOLLOWING INFORMATION IS FOR THE USE OF THE DISTRICT OIL & GAS SUPERVISOR. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE. DATE: AUG 25 1982

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.

SIGN: Robert L. Namken TITLE: Div Mgr/Drig & Prod DATE: August 20, 1982

(Leave space for Federal or State office use)

APPROVED FOR: E. W. GUYNN DISTRICT OIL & GAS SUPERVISOR DATE: OCT 06 1982

THIS RE-APPROVAL IS SUBJECT TO ALL OF THE CONDITIONS OF APPROVAL ORIGINALLY APPROVED ON MARCH 20, 1981.

NOTICE OF APPROVAL

State Oil & Gas



STATE OF UTAH
 NATURAL RESOURCES
 Oil, Gas & Mining

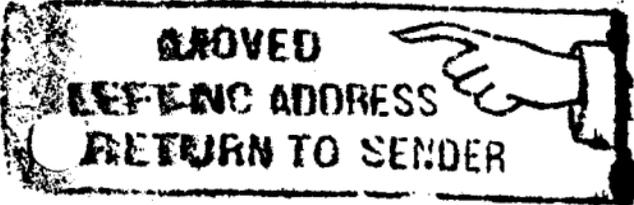
4241 State Office Building • Salt Lake City, UT 84114

*Letter
 resent to
 new address
 1/18/84*

file



SNYDER OIL CO
 410 17TH ST #1300
 DENVER CO 80202



an equal opportunity employer



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 3, 1984

Snyder Oil Company
410 17th Street, #1300
Denver, Colorado 80202

RE: Well No. Horsehoe Bend Fed. #1C-26
API #43-047-30814
1277' FSL, 1087' FWL SW/SW
Sec. 26, T. 6S, R. 21E.
Uintah County, Utah

Gentlemen:

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded effective one calendar month from the date of this notice.

A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

Respectfully,

A handwritten signature in cursive script, appearing to read 'Norman C. Stout'.

Norman C. Stout
Administrative Assistant

NCS/cj