

COPY

Form 3160-3
(December 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SUBMIT IN TRIPLICATE
(Other instructions on reverse side)
DEC 21 1994

Form approved.
Budget Bureau No. 1004-0136
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
UTU-70199

6. INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Bonanza Federal

9. API WELL NO.
2L-30-8-24

10. FIELD AND POOL, OR WILDCAT
Bonanza

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 30, T8S, R24E.

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

1. TYPE OF WORK
DRILL DEEPEN

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

2. NAME OF OPERATOR
Chandler & Associates, Inc.

3. ADDRESS AND TELEPHONE NO.
#(303)295-0400
475 Seventeenth Street, Suite 1000 Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1879' FNL 711' FWL (SW1/4 NW1/4)
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
See Topo Map "A"

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
711'

16. NO. OF ACRES IN LEASE
1505.46

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.
4250'

19. PROPOSED DEPTH
4550

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5065 GR

22. APPROX. DATE WORK WILL START*
A.S.A.P.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	350'	(See Attached Drilling Plan)
7 7/8"	5 1/2"	15.5#	4550'	(See Attached Drilling Plan)

1. M.I.R.U.
2. Drill to T.D. 4550'
3. Run 5 1/2" casing if commercial production is indicated.
4. If Dry Hole, Well will be plugged and abandoned as instructed by the B.L.M.
5. Well will be drilled with fresh water to 3700' the Chem Gel Mud to T.D. Mud will be in place to run 5 1/2" casing.

I hereby certify that I am responsible by the terms and conditions of the Lease to conduct Lease Operations. Bond Coverage pursuant to 43 CFR 3104 for Lease Activities is being provided by Chandler & Associates, Inc., B.L.M. Bond #124290364 with CNA.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.

SIGNED Robert L. Kay TITLE Agent for Chandler & Assoc. DATE December 14, 1994
Robert L. Kay, R.L.S.

(This space for Federal or State office use)

PERMIT NO. 43-047-32620

APPROVAL DATE

APPROVED BY THE STATE

OF UTAH DIVISION OF OIL, GAS, AND MINING

Application approval 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.

CONDITIONS OF APPROVAL, IF ANY:

DATE: 2/14/95

BY: J. Matthews

APPROVED BY _____ TITLE _____

WELL SPACING 649-3-2

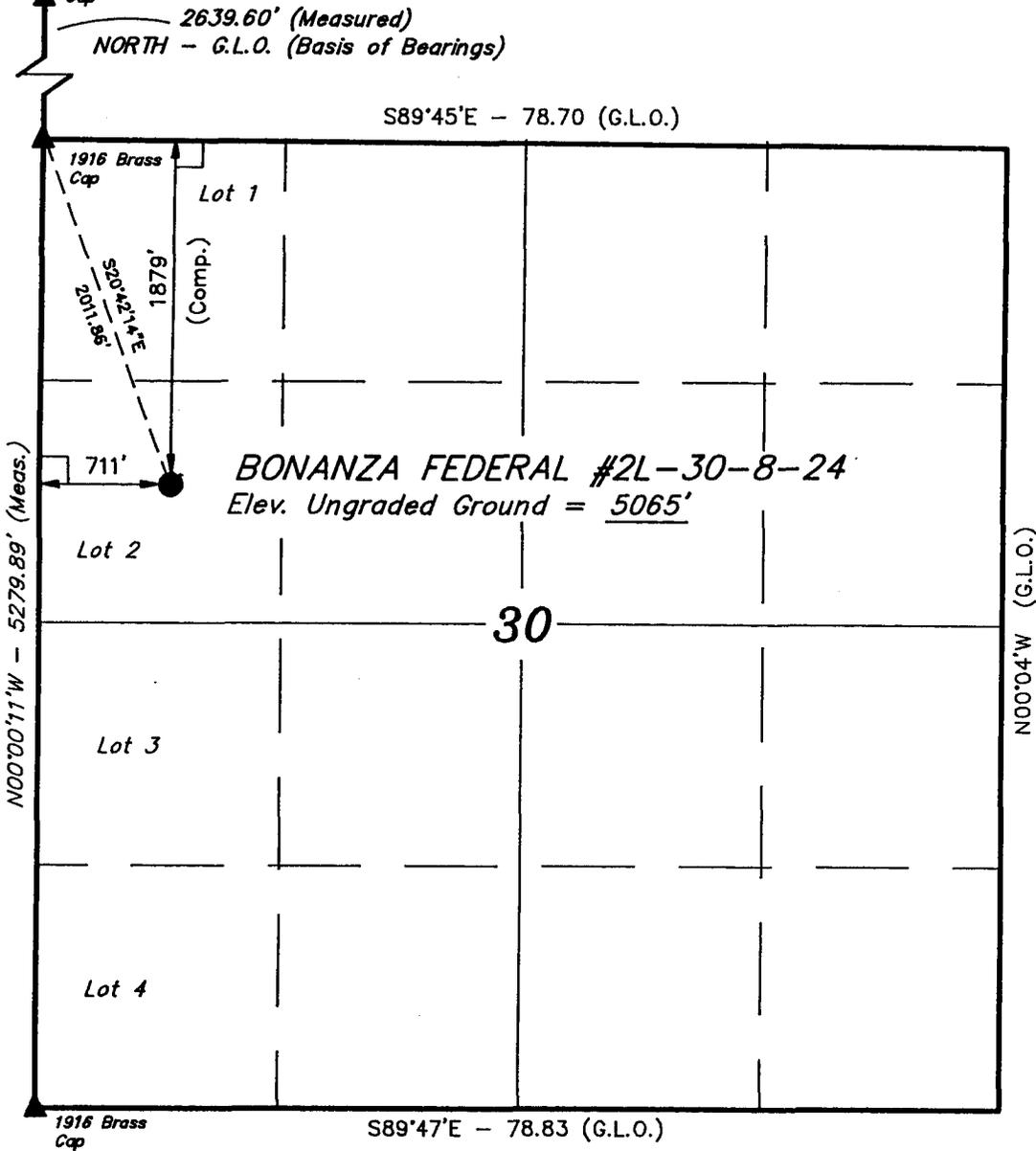
*See Instructions On Reverse Side

W 1/4 Corner
of Section 19,
1916 Brass
Cap

T8S, R24E, S.L.B.&M.

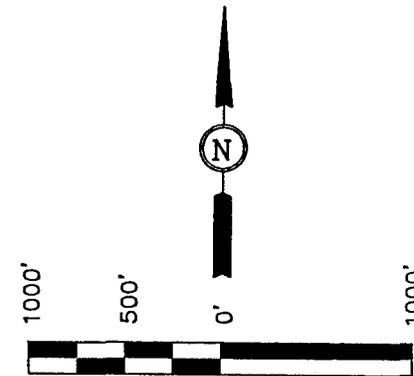
CHANDLER & ASSOCIATES, INC.

Well location, BONANZA FEDERAL #2L-30-8-24
located as shown in Lot 2 of Section 30, T8S,
R24E, S.L.B.&M. Uintah County, Utah.



BASIS OF ELEVATION

BENCH MARK LOCATED IN THE NE 1/4 OF SECTION
20, T8S, R24E, S.L.B.&M. TAKEN FROM THE BONANZA
QUADRANGLE, UTAH-UINTAH COUNTY, 7.5 MINUTE QUAD.
(TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES
DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, SAID
ELEVATION IS MARKED AS BEING 5119 FEET.



SCALE

CERTIFICATE

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.

Robert L. Kay
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

Revised: 12-19-94 C.B.T.

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 11-15-94	DATE DRAWN: 11-21-94
PARTY D.K. B.B. R.C. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE CHANDLER & ASSOCIATES, INC.	

**CHANDLER & ASSOCIATES, INC.
DRILLING PLAN FOR THE
BONANZA FEDERAL #2L-30-8-24**

I. DRILLING PLAN:

1. Geological Surface Formation: Uintah

2. Estimated Tops:

<u>Name</u>	<u>Top</u>	<u>Prod. Phase Anticipated</u>
Green River	1885'	
X Marker	3252'	
Y Marker	3792'	
Z Marker	4136'	
Bonanza Ss	4216'	Oil
Wasatch	4476'	
TD	4550'	

3. CASING PROGRAM:

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg. Size</u>	<u>Type</u>	<u>Weight</u>
Surface	350'	12-1/4"	8-5/8"	K-55	24#/ft (new)
Prod.	4550'	7-7/8"	5-1/2"	K-55	15.5#/ft (new)

4. Operator's Specification for Pressure Control Equipment:

- A. 2,000 psi W.P. Double Gate BOP or Single Gate BOP (Schematic attached).
- B. Functional test daily.
- C. All casing strings shall be pressure-tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. All ram-type preventers and related control equipment shall be tested at the rated working pressure of the stack assembly or at 70 percent of the minimum internal yield pressure of the casing, whichever is less. Tests shall be done at the time of installation, prior to drilling out, and weekly. All tests shall be for a period of 15 minutes.

5. Auxiliary Equipment:

- A. Kelly Cock - yes.
- B. Float at the bit - no.
- C. Monitoring equipment on the mud system - visually.
- D. Full opening safety valve on rig floor - yes.
- E. Rotating head - no. (* yes - see below)
- F. The blooie line shall be a least 6" in diameter and extend at least 100' from the wellbore into the reserve/blooie pit. (* see below)
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500'). (* see below)
- H. Compressor shall be tied directly to the blooie line through a manifold. (* see below)
- I. A mistor with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression. (* see below)

6. Proposed Circulating Medium:

<u>Depth</u>	<u>Mud Type</u>	<u>Density (lb./gal)</u>	<u>Viscosity</u>	<u>Water Loss</u>
0'-350'	Fresh Water with LCM	8.4	30	No control
350'-3700'	Fresh Water with LCM	8.4 - 8.6	30-35	No control
3700'-TD	Chem Gel Mud	8.8	30-35	10 cc or less

* Because of potential severe lost circulation in this area a portion of this hole may have to be drilled with aerated fluid and the blooie pit will be utilized.

**Chandler & Associates, Inc.
Bonanza Federal #2L-30-8-24**

7. Testing, Logging, and Coring Program:

- A. Cores - None anticipated.
- B. DST - 1 anticipated.
- C. Logging - DIL-GR (TD to surface).
CNL/Litho Density (base of surface to TD)
Mud Logger (base of surface to TD)
- D. Formation and Completion Interval: Green River interval, final determination of completion will be made by analysis of logs.
Stimulation - Stimulation will be designed for the particular area of interest as encountered.
- E. Frac gradient - approximately .80 psi/ft.

8. Cementing Program:

<u>Casing</u>	<u>Volume</u>	<u>Type & Additives</u>
Surface	265 sx	Class "G" w/2% CaCl ₂ 1/4#/sk cello seal (based on 100% access)
Production	710 sx*	Super "G" containing 47#/sk Class "G" plus 20#/sk Poz"A" plus 17#/sk CSE plus 3% salt plus 2% Gel followed by 300 sx Class "G" containing 0.15% WR-15 (Retarder)

Cement Characteristics:

- Class "G" - yeild = 1.18 cu.ft. per. sack
weight = 15.8 lb./gal
strength = 3200 psi in 72 hrs @ 135 degrees
- Super "G" - yeild = 2.76 cu.ft. per. sack
weight = 11.08 lb./gal
strength = 630 psi in 72 hrs @ 135 degrees

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* Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface.

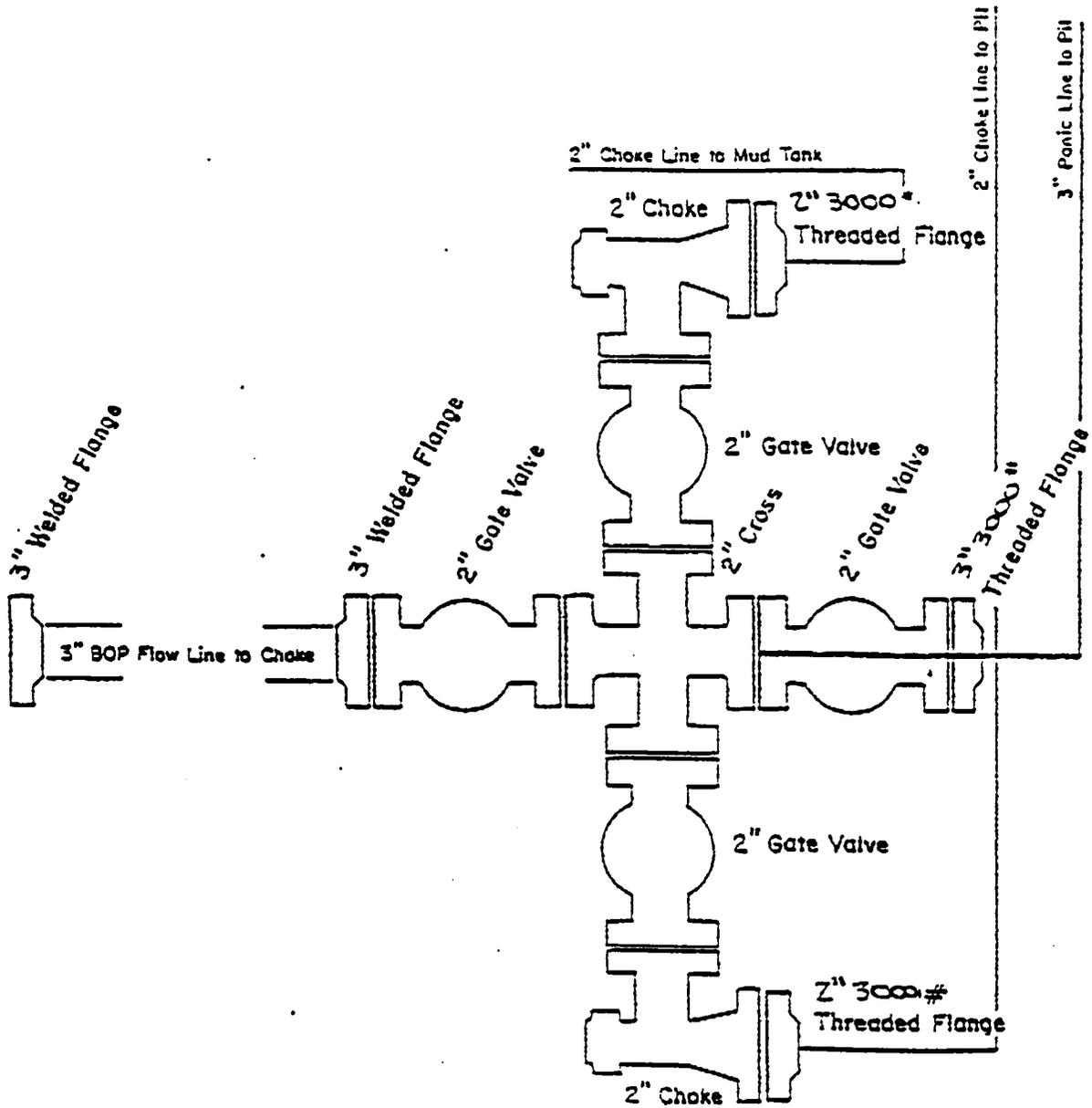
A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

9. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards:

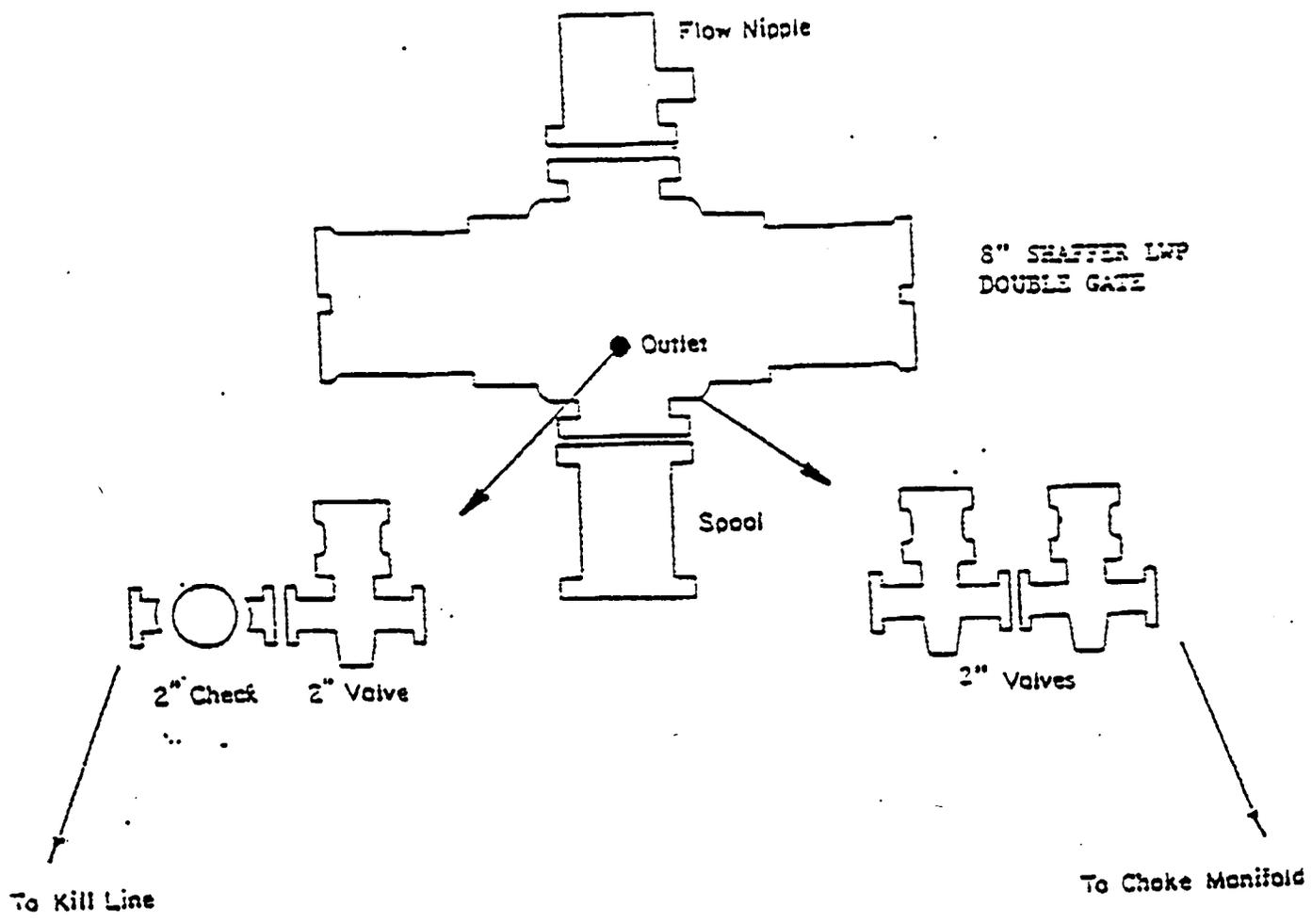
No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 1,600 psi (calculated at 0.380 psi/ft) and maximum anticipated surface pressure equals approximately 672 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

CHANDLER DRILLING

RIG NO.7



CHANDLER DRILLING
RIG NO.7



**II. SURFACE USE PLAN
CHANDLER & ASSOCIATES, INC.
BONANZA FEDERAL #2L-30-8-24**

1. Existing Road:

- A. Topo Map "A" is the vicinity map, showing the access routes from Vernal, Utah.
- B. Topo Map "B" shows the proposed access road to each individual well. It also shows existing roads in the immediate area.
- C. The existing and proposed access road, unless otherwise stated, shall be crowned, ditched, and dipped from the nearest improved road.
- D. Occasional maintenance blading and storm repairs will keep roads in good condition.
- E. There shall be no mud blading on the access road. Vehicles may be towed through the mud provided they stay on the roadway.
- F. Application for off lease road right-of-way is hereby requested for the portion of road which is shown on attached Topo Map "B". (Highlighted)

2. Planned Access Roads:

The proposed access road, will be crowned, ditched, and dipped.

- A. Maximum grade will be 8% or less, unless otherwise stated.
- B. No turnouts will be required.
- C. Low water crossings to be placed in Proposed Access road during drilling process and culverts may be installed at a later date.
- D. Road surface material will be that native to the area. (except for bottom of low water crossings were a more appropriate material shall be used).

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- E. No cattleguard will be required.
- F. The proposed access road was flagged at the time the location was staked.
- G. The Vernal District Area Manager will be contacted at least 24 hours prior to commencing construction of the access road and well pad.
- H. The backslopes of the proposed access roads will be no steeper than vertical or 1/4:1 in rock; and 2:1, elsewhere.

The operator or his contractor will notify the BLM office in Vernal, Utah (phone #(801)789-1362 at least 48 hours prior to commencement of any work on these locations, roadways, or pipelines.

3. Location of Existing Wells:

See Topo Map "C".

4. Location of Existing and/or Proposed Facilities:

- A. All Petroleum Production Facilities are to be contained within the proposed location sites.
- B. In the event that production of these wells is established, the following will be shown:
 - 1. Proposed location and attendant lines, by flagging, if off well pad.
 - 2. Dimensions of facilities.
 - 3. Construction methods and materials.

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- C. The area used to contain the proposed production facilities will be built using native materials. If these materials are not acceptable, then other arrangements will be made to acquire them from private sources. These facilities will be constructed using bulldozers, graders, and workman crews to construct and place the proposed facilities.
 - D. All permanent facilities placed on the locations shall be painted Desert Tan to blend with the natural environment.
 - E. A dike shall be constructed around the tank battery, of sufficient capacity to adequately contain at least 110 percent of the storage capacity of the largest tank within the dike.
 - F. All buried pipelines shall be covered to a depth of 3 feet except at road crossings where they shall be covered to a depth of 4 feet.
 - G. Construction width of the right-of way/pipeline route shall be restricted to 50 feet of disturbance.
 - H. Pipeline location warning signs shall be installed within 90 days upon completion of construction.
5. Location and Type of Water Supply:

Water to be used for the drilling of this well will be a private water supply purchased from Deseret Generation & Transmission Power Plant and will be hauled by truck to the well location. (Source is located approximately one mile west of the proposed location).

No water wells are to be drilled.

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6. Source of Construction Materials:

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads from the area. No special access other than for drilling operations and pipeline construction is needed.
- B. All access roads crossing Federal Land are described under item #2 and shown on Map #B.

All Construction material for these location sites and access roads shall be borrow material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, but if it is required, the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on BLM lands

7. Methods for Handling Waste Disposal:

- A. Drill cuttings will be buried in the reserve pit when covered.
- B. Drilling fluids will be contained in the reserve pit.
- C. Any hydrocarbon liquids produced while production testing will be contained in a test tank. Any unavoidable spills of oil or other adverse substances or materials will be removed immediately during drilling progress or during completion operations.
- D. Portable chemical toilets will be provided and serviced by a local commercial sanitary service.

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- E. Garbage and trash will be collected in a trash cage and its contents hauled to a sanitary landfill.

All wastes caused by the construction activities shall be promptly removed and disposed of in a sanitary landfill or as directed by the authorized officer.

- F. Prior to commencement of drilling, the reserve pit will be fenced on three sides using 39-inch net wire with at least one (1) strand of barbed wire. All wire is to be stretched before attaching to corner posts. When drilling activities are completed it will be fenced on the fourth side and allowed to dry (if liquids are present). After drying, the fences will be removed and the pit shall be buried. Reclamation will be undertaken no later than the fall of the year after all drilling activity has ceased.

8. Ancillary Facilities:

No air strips, camps, or other living facilities will be built off the location. Housing and office trailers will be on the location as seen on the location layout.

9. Well Site Layout:

- A. See attached cutsheet.
- B. The Vernal District Area Manager will be contacted at least 24 hours prior to commencing construction of the access road and well pad.
- C. The authorized officer will determine after the location is constructed whether the pit is to be lined, and if so, the type of material to be used.
- D. Topsoil shall be stripped to a depth of 4 to 6 inches and stockpiled as shown on the location layout plat. (Windrow as required)
- E. The backslopes of the locations will be no steeper than vertical or 1/4:1 in rock, and 2:1 elsewhere.

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- F. The upper edges of all cut banks on the access roads and well pads will be rounded.
- G. Catchment ponds to be placed as required to intercept drainage re-routes.

10. Plans for Restoration:

- A. Immediately upon completion, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.
- B. Before any dirt work to restore the location takes place, the reserve pit must be completely dry. The reserve pit will be reclaimed within 90 days from the date of well completion.
- C. The Vernal District Area Manager shall be notified at least 48 hours prior to commencing reclamation work.
- D. All disturbed areas will be seeded with the following mixture:

Seed Mixture #2

<u>Species</u>	<u>Lbs. PLS/Acre</u>
Western Wheatgrass (Rosanna)	2
Crested Wheatgrass (Fairway or Hycrest)	3
Fourwing Saltbrush (Wytana/Rincon)	6
Yellow Sweet Clover	1

- E. The seed bed will be prepared by disking, following the natural contour. Drill seed on contour at a depth no greater than 1/2 inch. In areas that cannot be drilled, the seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed is recommended.
- F. Fall seeding will be completed after September, and prior to prolonged ground frost.

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- G. If the well is a producer, access roads will be upgraded and maintained as necessary to prevent soil erosion, and accommodate year round traffic. Areas unnecessary to operations will be reshaped, topsoil distributed, and seed distributed according to the above mixtures. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.
- H. If the well is abandoned or is a dry hole, the access road and location will be restored to approximate the original contours. During reclamation of the site the fill material will be pushed into cuts and up over the backslope. No depressions will be left that would trap water or form ponds. Topsoil will be distributed evenly over the location and seeded according to the above mixture. The access road and the location shall be ripped or disked prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.
- I. Annual or noxious weeds shall be controlled on all disturbed areas. Method of control shall be by an approved mechanical method or an Environmental Protection Agency (EPA) registered herbicide. All herbicide application proposals must be approved by the B.L.M. Application proposals must be approved by the B.L.M. Application of herbicides must be under direct field supervision of an EPA certified pesticide applicator.

11. Other Information:

- A. The area is used by man for the primary purpose of grazing domestic livestock.

All activity shall cease when soils or road surfaces become saturated to a depth of three inches, unless otherwise approved by the Authorized Officer.

If any fossils are discovered during construction, the operator shall cease construction immediately and notify the Authorized Officer so as to determine the significance of the discovery.

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Bonanza Federal #2L-30-8-24

- B. A Class III cultural resource inventory shall be completed prior to disturbance by a qualified professional Archaeologist.
- C. The United States of America considers the development of groundwater resources to be necessary and frequently indispensable to effective land management. Therefore, any groundwater intercepted by the party conducting mineral exploration shall be reported to the District Manager immediately including approximate quantities and a sample in a sealed quart container. The United States shall have the first opportunity to file State water rights for the intercepted groundwater. The undersigned may file for water rights only with a written waiver from the District Manager.
- D. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:
- whether the materials appear eligible for the National Register of Historic Places;
the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary);
and a timeframe for the AO to complete an expedited review under 36 CFR 800-11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

Chandler & Associates, Inc.
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If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, an operator will then be allowed to resume construction.

- E. Construction & Drilling activities shall cease on or before May 15 and may begin again on June 21 of each calendar year due to Antelope Kidding.
- F. Less than 10,000 pounds of any chemical(s) from EPA's Consolidated list of Chemicals Subject to Reporting Under Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986, and less than threshold planning quantity (TPQ) of any extremely hazardous substances(s), as defined in 40 CFR, would be used, produced, transported, stored, disposed, or associated with the proposed action.

12. Lessee's or Operator's Representative:

Mr. Don Johnson
Manager Operations/Production
Chandler & Associates, Inc.
475 Seventeenth Street
Suite 1000
Denver, Colorado 80202
Telephone #(303)295-0400

Chandler & Associates, Inc.
Bonanza Federal #2L-30-8-24

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite(s) and access route(s); 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 **Chandler & Associates, Inc.**, and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

This statement is subject to the provision of 18 U.S.C. 1001 for the filing of a false statement.

12-19-94

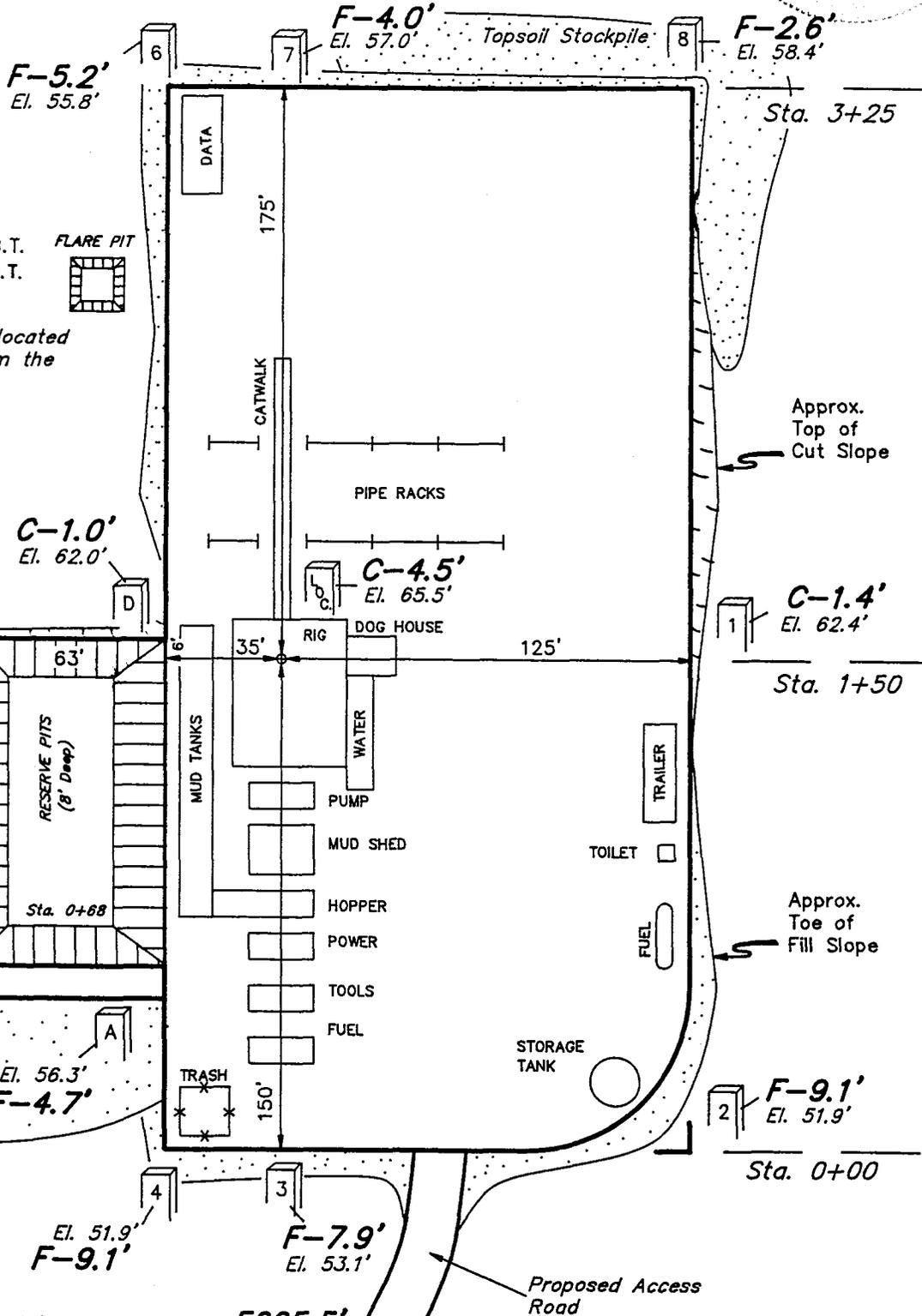
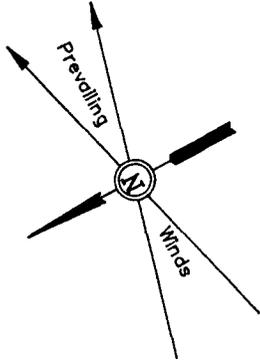
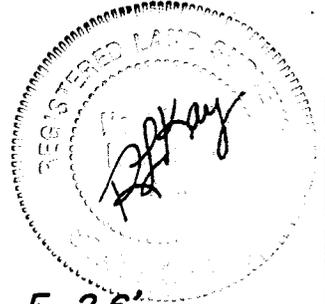
Date

Robert L. Kay
Robert L. Kay
Agent

CHANDLER & ASSOCIATES, INC.

LOCATION LAYOUT FOR

BONANZA FEDERAL #2L-30-8-24
SECTION 30, T8S, R24E, S.L.B.&M.
1879' FNL 711' FWL



SCALE: 1" = 50'
DATE: 11-21-94
Drawn By: C.B.T.
Revised: 11-29-94 C.B.T.
Revised: 12-19-94 C.B.T.

NOTE:
Flare Pit is to be located
a min. of 100' from the
Well Head.

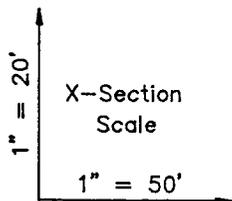
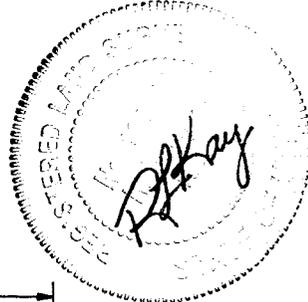
Pit Capacity With
2' of Freeboard
is ±4,110 Bbls.

Elev. Ungraded Ground at Location Stake = 5065.5'
Elev. Graded Ground at Location Stake = 5061.0'

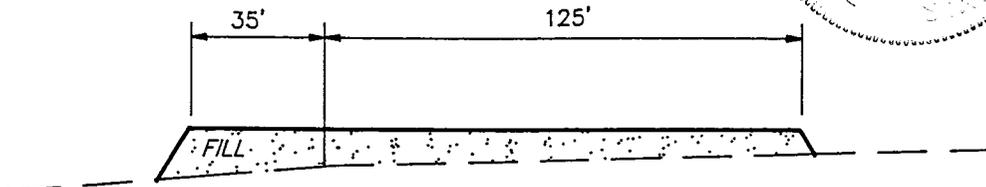
CHANDLER & ASSOCIATES, INC.

LOCATION LAYOUT FOR

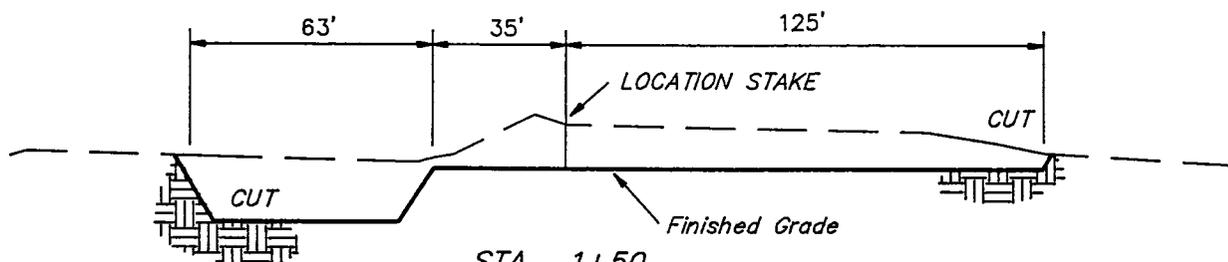
BONANZA FEDERAL #2L-30-8-24
SECTION 30, T8S, R24E, S.L.B.&M.
1879' FNL 711' FWL



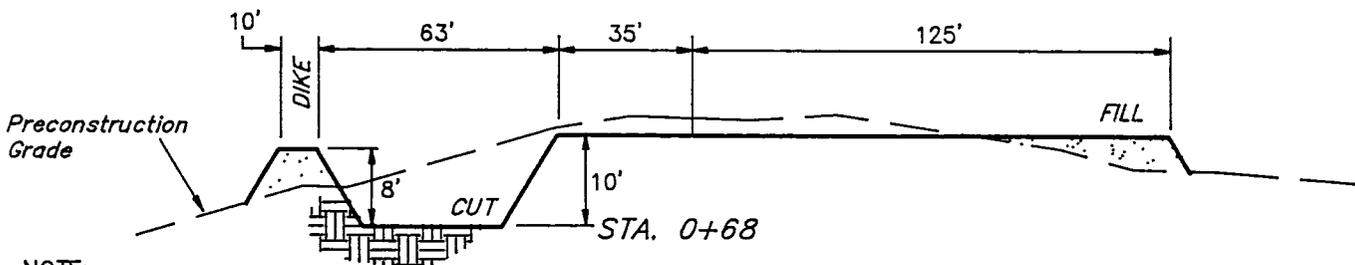
DATE: 11-21-94
Drawn By: C.B.T.
Revised: 12-19-94 C.B.T.



STA. 3+25

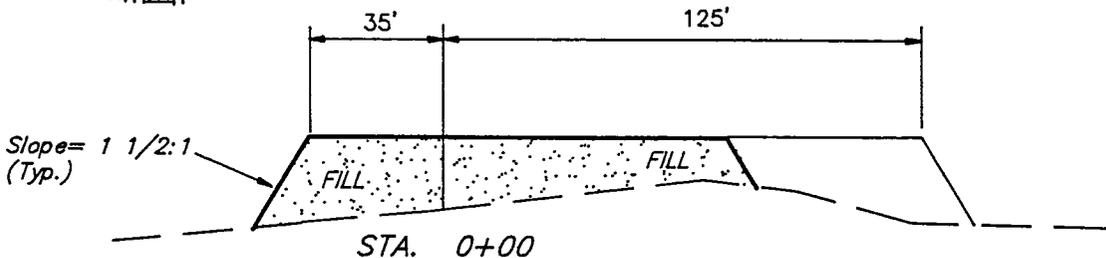


STA. 1+50



STA. 0+68

NOTE:
Terrace Pit 2'
Below Finished
Grade.

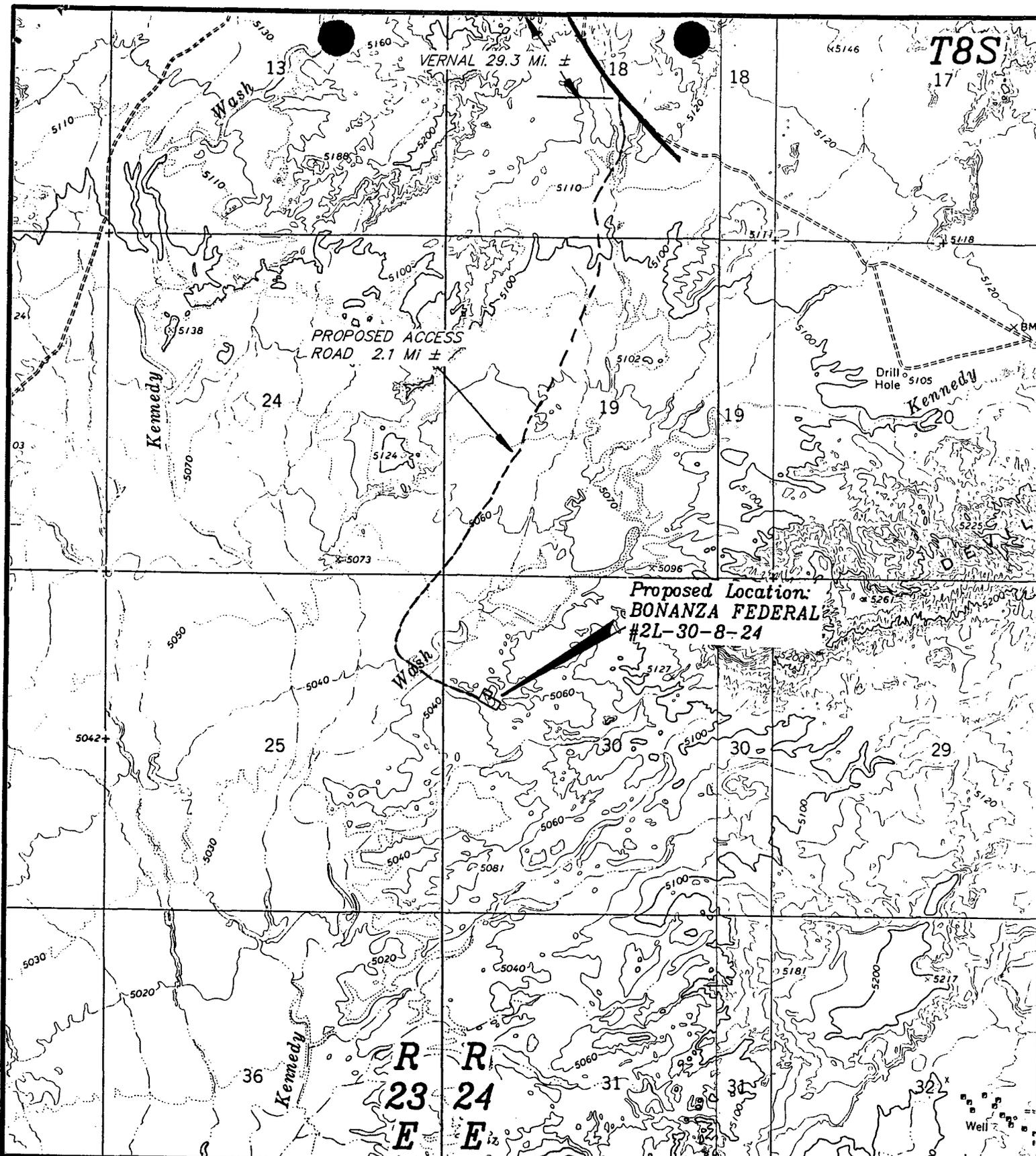


NOTE:
Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	1,070 Cu. Yds.
Remaining Location	=	4,700 Cu. Yds.
TOTAL CUT	=	5,770 CU.YDS.
FILL	=	3,870 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	1,700 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	1,700 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.



REVISED DATE: 11-29-94 J.D.S.

TOPOGRAPHIC
MAP "B"

SCALE: 1" = 2000'
DATE: 11-22-94 J.D.S.

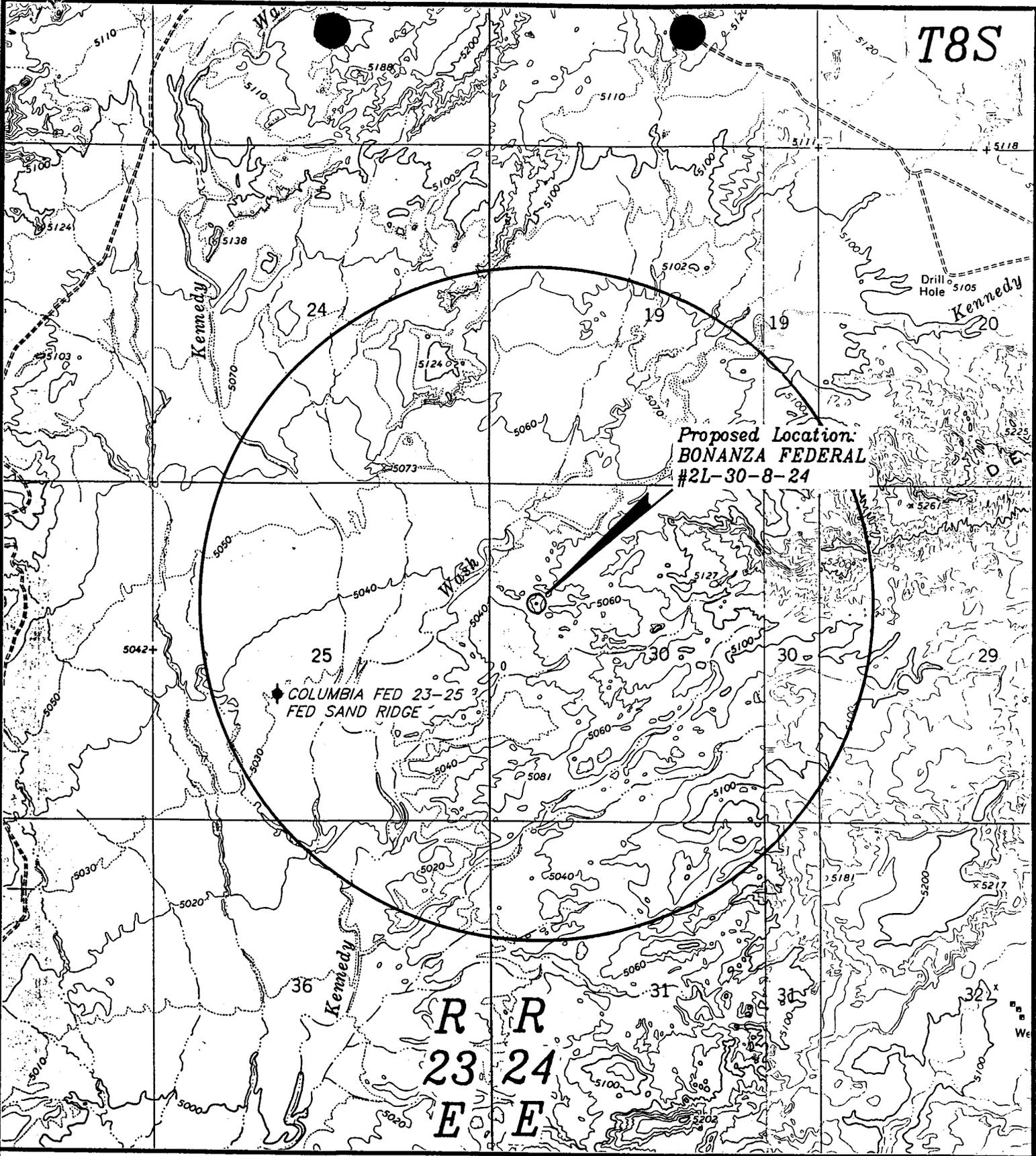


CHANDLER & ASSOCIATES, INC.

BONANZA FEDERAL #2L-30-8-24
SECTION 30, T8S, R24E, S.L.B.&M.
1879' FNL 711' FWL

Revised: 12-19-94 C.B.T.

T8S



Proposed Location:
BONANZA FEDERAL
#2L-30-8-24

◆ COLUMBIA FED 23-25
 FED SAND RIDGE

R R
 23 24
 E E

Revised: 12-19-94 C.B.T.

LEGEND:

- ⊕ = Water Wells
- ◆ = Abandoned Wells
- = Temporarily Abandoned Wells
- ⊘ = Disposal Wells
- = Drilling Wells
- = Producing Wells
- ⊕ = Shut-in Wells



CHANDLER & ASSOCIATES, INC.

BONANZA FEDERAL #2L-30-8-24
 SECTION 30, T8S, R24E, S.L.B.&M.
 T O P O M A P " C "

DATE: 11-22-94 J.D.S.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/21/94

API NO. ASSIGNED: 43-047-32620

WELL NAME: BONANZA FEDERAL 2L-30-8-24
OPERATOR: CHANDLER & ASSOCIATES INC

N3320
(N0520)

PROPOSED LOCATION:
SWNW 30 - T08S - R24E
SURFACE: 1879-FNL-0711-FWL
BOTTOM: 1879-FNL-0711-FWL
UINTAH COUNTY
UNDESIGNATED FIELD (002)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: FED
LEASE NUMBER: UTU-70199

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond: Federal State Fee
(Number #124290364)
N Potash (Y/N)
N Oil shale (Y/N)
Y Water permit
(Number DESERRET GENERATION)
N RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

___ R649-2-3. Unit: _____
 R649-3-2. General.
___ R649-3-3. Exception.
___ Drilling Unit.
___ Board Cause no: _____
___ Date: _____

COMMENTS: _____

STIPULATIONS: _____

R 23 E

R 24 E

CHANDLER & ASSOCIATES
BONANZA FEDERAL 2L-30-8-24
SEC. 30, T 8 S, R 24 E
UINTAH COUNTY

RED WASH

BONANZA FED 2L-30-8-24

NORTH
BONANZA

T 8 S

T 9 S



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

February 14, 1995

Chandler & Associates, Inc.
475 Seventeenth Street, Suite 1000
Denver, Colorado 80202

Re: Bonanza Federal 2L-30-8-24 Well, 1879' FNL, 711' FWL, SW NW, Sec. 30, T. 8 S.,
R. 24 E., Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Admin. R. 649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-32620.

Sincerely,

A handwritten signature in black ink, appearing to read "R. J. Firth".

R. J. Firth
Associate Director

ldc

Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office
WAPD

Operator: Chandler & Associates, Inc.

Well Name & Number: Bonanza Federal 2L-30-8-24

API Number: 43-047-32620

Lease: Federal UTU-70199

Location: SW NW Sec. 30 T. 8 S. R. 24 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SUBMIT IN TRIPLE COPY
(Other instructions on reverse side)
FEB 22 1995

Form approved.
Budget Bureau No. 1004-0136
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN

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

2. NAME OF OPERATOR
 Chandler & Associates, Inc.

3. ADDRESS AND TELEPHONE NO.
 475 Seventeenth Street, Suite 1000 Denver, Colorado 80202
 #(303)295-0400

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1879' FNL 711' FWL (SW1/4 NW1/4)
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 See Topo Map "A"

10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 711'

16. NO. OF ACRES IN LEASE 1505.46

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. 4250'

19. PROPOSED DEPTH 4550'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5065 GR

22. APPROX. DATE WORK WILL START* A.S.A.P.

5. LEASE DESIGNATION AND SERIAL NO.
 UTU-70199

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

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME WELL NO.
 Bonanza Federal

9. AN WELL NO.
 2L-30-8-24

10. FIELD AND POOL, OR WILDCAT
 Bonanza

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 30, T8S, R24E.

12. COUNTY OR PARISH
 Uintah

13. STATE
 Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	350'	(See Attached Drilling Plan)
7 7/8"	5 1/2"	15.5#	4550'	(See Attached Drilling Plan)

- M.I.R.U.
- Drill to T.D. 4550'
- Run 5 1/2" casing if commercial production is indicated.
- If Dry Hole, Well will be plugged and abandoned as instructed by the B.L.M.
- Well will be drilled with fresh water to 3700' the Chem Gel Mud to T.D. Mud will be in place to run 5 1/2" casing.

I hereby certify that I am responsible by the terms and conditions of the Lease to conduct Lease Operations. Bond Coverage pursuant to 43 CFR 3104 for Lease Activities is being provided by Chandler & Associates, Inc., B.L.M. Bond #124290364 with CNA.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 Robert L. Kay TITLE Agent for Chandler & Assoc. DATE December 14, 1994

(This space for Federal or State office use)
 PERMIT NO. 13-047-32620 APPROVAL DATE _____
 Application approval 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.
 CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Elmer J. Johnson TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE _____

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Chandler & Associates, Inc.

Well Name & Number: Bonanza Fed. 2L-30-8-24

API Number: 43-047-32620

Lease Number: U-70199

Location: SWNW Sec. 30 T. 8S R. 24E

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least **200 ft.** above the base of the Mahogany Oil Shale zone, identified at $\pm 2,854$ ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to $\pm 2,654$ ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and 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, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

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

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO 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 submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on

which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 781-7077
Petroleum Engineer

Wayne P. Bankert (801) 789-4170
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

SURFACE USE PLAN OF OPERATION
Conditions of Approval (COAs)

Methods for Handling Waste Disposal

The pit shall be lined will be a synthetic liner. It is recommended that the liner have at least 12 mil thickness. This liner will should help to protect the dike planned for possibly otherwise unstable pit Corner B.

Additional Surface Conditions

Two low water crossings will be required for the access road. The major one will use the design drawn 1/18/95 by Uintah Engineering as its plan for construction. The smaller one near the Bonanza highway would require adequate rock fill to insure a solid crossing. For this crossing the design mentioned would be recommended. For the major one, it would be required.

Construction of the pad and access road must be completed prior to April 1, or the BLM may request that surveys for burrowing owls be conducted.

Chandler must notify BLM when they plan to begin construction of the access road so that a biologist can be present to see that they pick the best route within the archaeologically cleared corridor for avoiding contact with prairie dog towns as much as possible.

Access road near the archaeological site mentioned by Carl Connors would stay north of present flagged line as requested in the Archaeology Report.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: CHANDLER & ASSOCIATES

Well Name: BONAZA FEDERAL 2L-30-8-24

Api No. 43-047-32620

Section 30 Township 8S Range 24E County UINTAH

Drilling Contractor CHANDLER

Rig # 7

SPUDDED: Date 3/16/95

Time _____

How ROTARY

Drilling will commence _____

Reported by D. HACKFORD-DOGM

Telephone # _____

Date: 3/21/95 Signed: JLT

OPERATOR Chandler & Associates, Inc.

OPERATOR ACCT. NO. H 3320

ADDRESS 475 17th St, Suite 1000

Denver, Co 80202

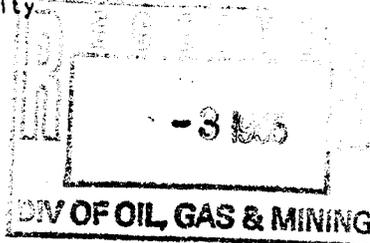
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	117543	047-32620	Bonanza Fedl 2L-30-8-24	SWNW	30	8S	24E	Uintah	3/11/95	
WELL 1 COMMENTS: Entity added 4-5-95. <i>fcc</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See Instructions on back of form)

- A - Establish new entity for new well (single well only)
- D - 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)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)



[Signature]
Signature

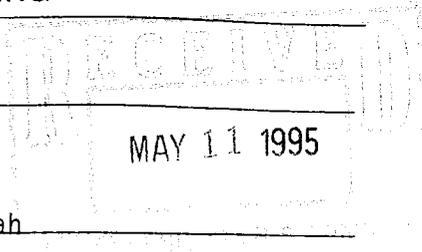
Manager, Operations/Prod 3/31/95

Title Date

Phone No. (303) 295-0400

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING



1. Well name and number: Bonanza Federal 2L-30-8-24

API number: 43-047-32620

2. Well Location: QQ SWNW Section 30 Township 85 Range 24E County Uintah

3. Well operator: Chandler & Associates, Inc.

Address: 475 17th Street, Suite 1000

Denver, CO 80202

Phone: (303) 295-0400

4. Drilling contractor: Chandler Drilling Company

Address: 475 17th Street, Suite 1000

Denver, CO 80202

Phone: (303) 295-0400

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
245	248 (est)	1.5 gals. per minute (out)	Fresh

6. Formation tops: Uintah - Surface

Green River - 1768'

Wasatch - 4534'

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

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

Date: May 1, 1995

Name & Signature: *D.M. Johnson*
D.M. (Don) Johnson

Title: Manager of Operations/
Production

JOB LOG HAL-2013-C

CUSTOMER CHANDLER	WELL NO. 24-30-8-24	LEASE RONANZA FED.	JOB TYPE PTA	TICKET NO. 807876
-----------------------------	-------------------------------	------------------------------	------------------------	-----------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2300							ON LOCATION
	0123	4	0			300		START FRESH DPC 4200
	0126	0	10			0		END FRESH
								MIX 80 SK 2% CHLORIDE 1.18 ^{cu} /FT 15.6#
	0129	4	0			300		START CEMENT
	0133	4	16.8			100		END CEMENT
	0133	5	0			100		START DISP FRESH
	0134	5	2.5			100		END FRESH START MUD
	0142	0	42.5			0		END DISP PLUG BALANCED
								PULL 10 STAG WOC
	0500							R/H TAG 4000 FT 6000 POOH
	0712	5	0			200		START FRESH D.P. 2850
	0714	0	10			0		END FRESH
								MIX 75 SKS NEAT 1.18 ^{cu} /FT 15.6#
	0717	4	0			150		START CEMENT
	0721	5	15.7			50		END CEMENT
	0721	5	0			50		START DISP. FRESH
	0722	5	2.5			50		START MUD
	0727	0	2.7			0		END DISP. POOH TO 432 FT
	0935	5	0			50		START FRESH
	0940	0	2.5			0		END FRESH
								MIX 60 SK 2% CHLORIDE 1.18 ^{cu} /FT 15.6#
	0941	5	0			50		START CEMENT
	0944	0	12.6			50		END CEMENT
	0944	5	0			0		START DISP. LOSS CIRC.
	0945	0	2.5			0		END DISP. POOH WOC
	1200							FILL HOLE
	1400							R/H DIDNT TAG CEMENT
	1430	5	0			50		START FRESH DP @ 432
	1432	5	10			50		END FRESH
	1432	5	0			50		START 60 SK PLUG 1.18 ^{cu} /FT 15.6#
	1435	5	12.6			50		END CEMENT
	1435	5	0			50		START DISP
	1436	0	2.5			0		END DISP POOH WOC
	1700							R/H TAG PLUG 6000 POOH 60 FT
	1740	1	0			0		START 20 SK CEMENT 15.6#
	1745	0	4			0		END CEMENT END JOB

FIELD OFFICE

THANKS LEVEL & CREW

SUBMIT IN DUPLICATE*

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

(See other instructions on reverse side)

UTU-70199

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
Chandler & Associates, Inc.

3. ADDRESS OF OPERATOR
475 17th Street, Suite 1000, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface
SWNW (1879' FNL & 711' FWL)
At top prod. interval reported below
SAME
At total depth
SAME

14. PERMIT NO. 43-047-32620
DATE ISSUED 02/14/95

5. LEASE DESIGNATION AND SERIAL NO.
N.A.

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

7. UNIT AGREEMENT NAME
Bonanza Federal

8. FARM OR LEASE NAME
2L-30-8-24

9. WELL NO.
Bonanza

10. FIELD AND POOL, OR WILDCAT
Section 30, T. 8S R. 24E

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

12. COUNTY OR PARISH
Uintah
13. STATE
Utah

15. DATE SPUNDED 03/11/95
16. DATE T.D. REACHED 03/ /95
17. DATE COMPL. (Ready to prod.)
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5065' GL 5077' KB
19. ELEV. CASINGHEAD ---

20. TOTAL DEPTH, MD & TVD 4650
21. PLUG, BACK T.D., MD & TVD N.A.
22. IF MULTIPLE COMPL., HOW MANY? N.A.
23. INTERVALS DRILLED BY
ROTARY TOOLS 0-TD
CABLE TOOLS ---

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
DI-FL/GR 5-11-95 CNL-CDL/GR CBL
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
133/8	32	20	---	30sx. Regular	N.A.
85/8	24	395	12 1/4	260sx. Class 'G'	N.A.

29. LINER 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)

MAY 11 1995

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)

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

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

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

35. LIST OF ATTACHMENTS
Logs, Cement ticket

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

SIGNED Don Johnson TITLE Manager of Operations DATE 05/01/95

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

INSTRUCTIONS

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

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

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

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

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS	
Uintah	Surface	1768'	Sand & Shale	"X" MARKER	MEAS. DEPTH 3221'	TOP TRUE VERT. DEPTH SAME
Green River	1768	4534'	Sand, Organic Shale, Oil Shale, Siltstone & Limestone	"Y" MARKER	3754'	SAME
Wasatch	4534	TD(4650')	Brown Mudstone & Sand	"Z" MARKER	4100'	SAME
			No Cores or Tests	"Bonanza Sand"	Npt Present	

RECEIVED
MAY 11 1995

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

5. LEASE DESIGNATION AND SERIAL NO. UTU-70199
6. IF INDIAN, ALLOTTEE OR TRIBE NAME N.A.
7. UNIT AGREEMENT NAME N.A.
8. FARM OR LEASE NAME Bonanza Federal
9. WELL NO. 2L-30-8-24
10. FIELD AND POOL, OR WILDCAT Bonanza
11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 30-T85-R24E
12. COUNTY OR PARISH Uintah
13. STATE Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Chandler & Associates, Inc.

3. ADDRESS OF OPERATOR
475 17th Street, Suite 1000, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

SWNW(1879' FNL& 711' FWL)

14. PERMIT NO.
43-047-32620

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
5065'GL 5077'KB

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 checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

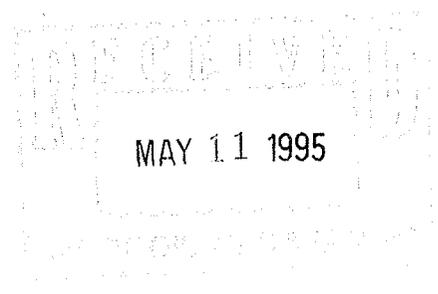
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

- Plug#1: 4200'-4000' W/80 sx. Neat. Tagged@ 4000'.
- Plug#2: 2850'-2650' W/75 sx. Neat. Did not tag.
- Plug #3: 432'- 332' W/60 sx. Neat & 27₀ CaCl₂. Tagged @ 450'.
- Plug#4: 432'- 332' W/60 sx. Neat & 27₀ CaCl₂. Tagged @ 430'.
- Plug#5: 50' to surface w/20sx. Neat.

Last plug down @ 6:00p.m. 03/24/95.

- Install dry hole marker.



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

SIGNED *D.M. Johnson* TITLE Manager of Operations DATE 05/01/85
D.M. Johnson
 (This space for Federal or State office use)

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



JOB LOG HAL-2013-C

DATE 3-23-95
PAGE NO. 1
TICKET NO. 807876

CUSTOMER CHANDLER WELL NO. 24-30-8-24 LEASE RONANZA FSD JOB TYPE PTA

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2300							ON LOCATION
	0123	4	0			300		START FRESH DPC 4200
	0126	0	10			0		END FRESH
	0129	4	0			300		MIX 80 SK 2% CHLORIDE 1.18 ^{cu} /FT 15.6#
	0133	4	16.8			100		START CEMENT
	0133	5	0			100		END CEMENT
	0134	5	2.5			100		START DISP FRESH
	0142	0	42.5			0		END FRESH START MWD END DISP PLUG BALANCED PULL 10 STB WOC
	0500							R/H TAG 4000 FT GOOD POOH
	0712	5	0			200		START FRESH D.P. 2850
	0714	0	10			0		END FRESH
	0717	4	0			150		MIX 75 SKS NEAT 1.18 ^{cu} /FT 15.6#
	0721	5	15.7			50		START CEMENT
	0721	5	0			50		END CEMENT
	0722	5	0			50		START DISP FRESH
	0722	5	2.5			50		START MWD
	0727	0	2.7			0		END DISP POOH TO 432 FT
	0935	5	0			50		START FRESH
	0940	0	2.5			0		END FRESH
	0941	5	0			50		MIX 60 SK 2% CHLORIDE 1.18 ^{cu} /FT 15.6#
	0944	0	12.6			50		START CEMENT
	0944	5	0			0		END CEMENT
	0945	0	2.5			0		START DISP LOSS CIRC.
	1200							END DISP POOH WOC
	1400							FILL HOLE
	1430	5	0			50		R/H DIDNT TAG CEMENT
	1432	5	10			50		START FRESH OP @ 432
	1432	5	0			50		END FRESH
	1435	5	12.6			50		START 60 SK PLUG 1.18 ^{cu} /FT 15.6#
	1435	5	0			50		END CEMENT
	1436	0	2.5			0		START DISP
	1700							END DISP POOH WOC
	1740	1	0			0		R/H TAG PLUG GOOD POOH 60F
	1745	0	4			0		START 20 SK CEMENT 15.6#
								END CEMENT END JOB

FIELD OFFICE

THANKS LOVE & CREW