

CORDILLERA CORPORATION

2334 EAST THIRD AVENUE · DENVER, COLORADO 80206 · (303) 355-3535

12 September 1978

UNITED STATES GEOLOGICAL SURVEY
Federal Building
701 Camino del Rio
Durango, Colorado 81301

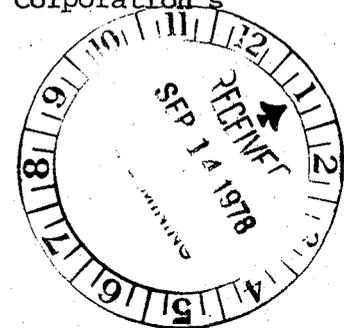
ATTENTION: MR. JERRY LONG

RE FEDERAL NO. 1-20
T 30 S, R 25 E
Sec. 20: NE/4NE/4
San Juan County, Utah

Gentlemen:

Enclosed are four copies of each of the following documents,
which are submitted in connection with Cordillera Corporation's
application to drill the referenced well:

1. Form 9-331C
2. Well Control Plan
3. Proposed B.O.P. Stack
4. Multi-Point Surface Use Plan



Since we have been notified that a suitable drilling rig will be
available in September, we would appreciate any assistance you
can give us in processing this application in an expeditious
manner.

Yours truly,

CORDILLERA CORPORATION

Jack M. Lucey
JACK M. LUCEY

JML/nll

✓ Copy (w/encl.) to
Utah Div. of Oil, Gas and Mining

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
 CORDILLERA CORPORATION

3. ADDRESS OF OPERATOR
 2334 East Third Avenue, Denver, Colorado 80206

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1000' FNL, 1000' FEL, Section 20
 At proposed prod. zone
 same NENE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 12 miles south from La Sal, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1000'

16. NO. OF ACRES IN LEASE
 120

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 2000'

19. PROPOSED DEPTH
 10,200' *10,200'*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6750' GR

22. APPROX. DATE WORK WILL START*
 October 15, 1978

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48 lbs	300'	350 sacks
12 1/4"	8 5/8"	32 lbs	5,000'	600 sacks
7 7/8"	4 1/2"	11.6 lbs	10,000'	400 sacks

1. Drill rotary hole to 5,000' with mud of good quality and/or air.
2. Drill rotary to T.D. (10,200') with salt-saturated gel.
3. Evaluate Mississippian (Leadville) and Devonian (McCracken) with DST and electric logs.
4. If productive, run 4 1/2" casing at base of zone and cement.
5. If nonproductive, well will be abandoned according to state and Federal regulation.

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 M. Kelley* TITLE *Engineer* DATE *9/12/78*

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

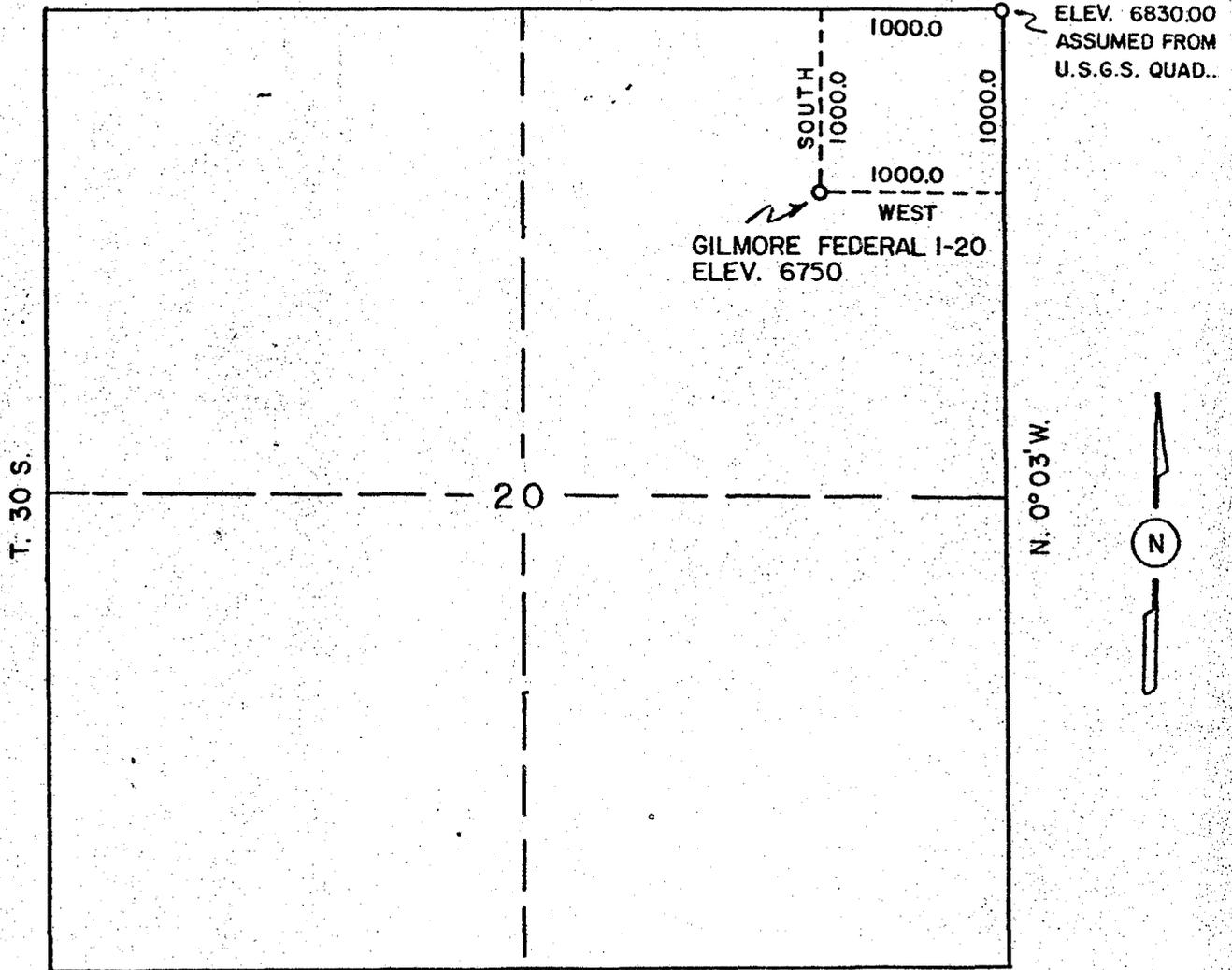
CONDITIONS OF APPROVAL, IF ANY:



*See Instructions On Reverse Side

G.L.O. BRASS CAP
N.E. COR. SEC. 20,
T. 30 S., R. 25 E.,
S.L.B.M.

R. 25 E.
N. 89° 58' W.



CORDILLERA CORP.
GILMORE FEDERAL 1 - 20 WELL
WITHIN THE
N.E. 1/4, SEC. 20, T.30 S., R. 25 E., S.L.B.M.
SAN JUAN COUNTY, UTAH.

I, DO HEREBY CERTIFY THAT THIS
WELL LOCATION WAS SURVEYED
IN THE FIELD BY ME, JULY 28, 1978.

NOTE:
ELEVATIONS ASSUMED FROM
U.S.G.S. QUAD. AND BY VERTICAL
ANGLE TO WELL SITE.

C.H. Skipper
C.H. SKIPPER, UTAH L.S. 2624
SKIPPER RESOURCES, P.O. BOX 1117 MOAB, UTAH

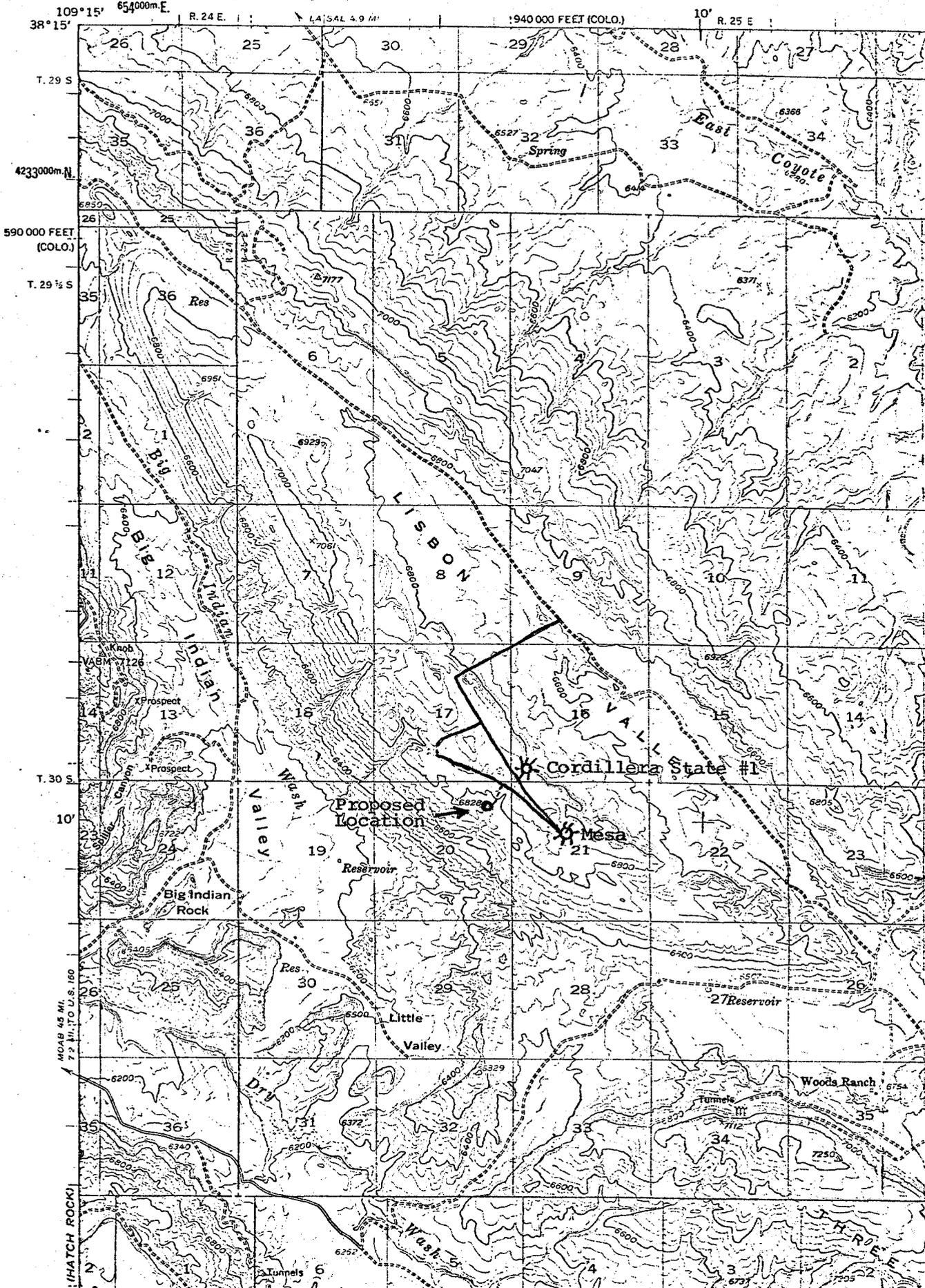
SCALE 1" = 1000'



(LA SAL JUNCTION)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Existing Roads ———
Proposed Roads - - -



109°15' 654000m.E. R. 24 E. L.A. SAL 4.9 M' 1940 000 FEET (COLO.) 10' R. 25 E

T. 29 S
4233000m.N.

590 000 FEET
(COLO.)
T. 29 1/2 S

T. 30 S
10'

MOAB 4.5 MI.
7.2 MI. TO U.S. 160

(HATCH ROCK)

WELL CONTROL PLAN

CORDILLERA CORPORATION
Little Valley Field
Federal #1-20
NE NE Sec. 20, T30S, R25E, SLBM
San Juan County, Utah

- 1) Set 300' 13 3/8, 48-lb. H-40 casing cement with 350 sacks reg. cement. W.O.C. 24 hours.
 - 2) Casing head flange: 13 3/8 x 12", 2,000-lb. with 2 2" outlets.
 - 3) Set 5,000' of 8 5/8, 32-lb. J-55 casing and cement with 600 sacks cement. W.O.C. 24 hours.
 - 4) Install 12" 3,000-lb. casing spool with 2" outlets. Test to 1,000 lbs. for 30 min.
 - 5) BOP: 12" 3,000-lb hydraulic with 4 1/2" pipe rams, blind rams, and hydril. Choke manifold to consist of
 - 1 positive 2" choke
 - 1 adj. 2" choke
 - 2 3000-lb. valves and 3 1000-lb valves
 - 1 3000-lb. pressure gauge
- All manifold and kill lines tested to 3,000 lbs.
- 6) Aux. Equipment: Top and bottom Kelly cocks, drill pipe stabbing valve and visual type pit level control.
 - 7) Ant. bottom hole pressure: 2,800 lbs.
 - 8) Air with soap and KCl will be used if possible, or Chem-gel with LCM will be used from surface to 5,000'. 5,000' to T.D. will be drilled with salt-saturated gel, 9.0-9.2 wt., 35-40 vis., less than 10 cc water loss.
 - 9) Breathing apparatus and control equipment with safety engineer will be maintained to deal with potential presence of H₂S.
 - 10) Anticipated formation tops:

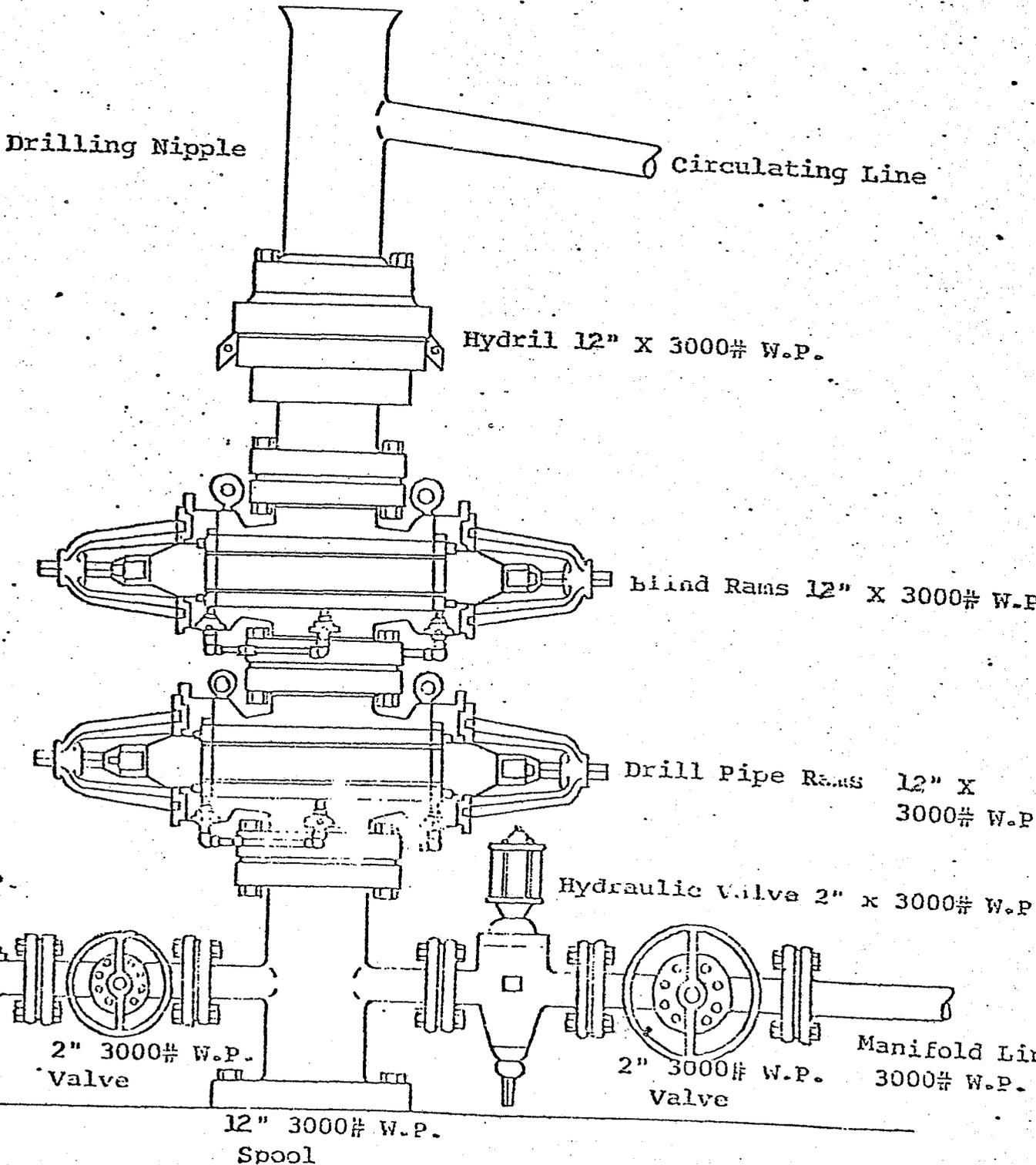
Paradox	1,503'	Molas	8,963'
Top Salt	2,009'	Mississippian	9,000'
Lower Hermosa	8,840'	Devonian	10,024'

Well No. 1-20 Federal

Location NE NE Sec. 20, T30S, R25E, SLBM

San Juan County, Utah

SCHEMATIC OF BLOWOUT PREVENTER



Little Valley Field

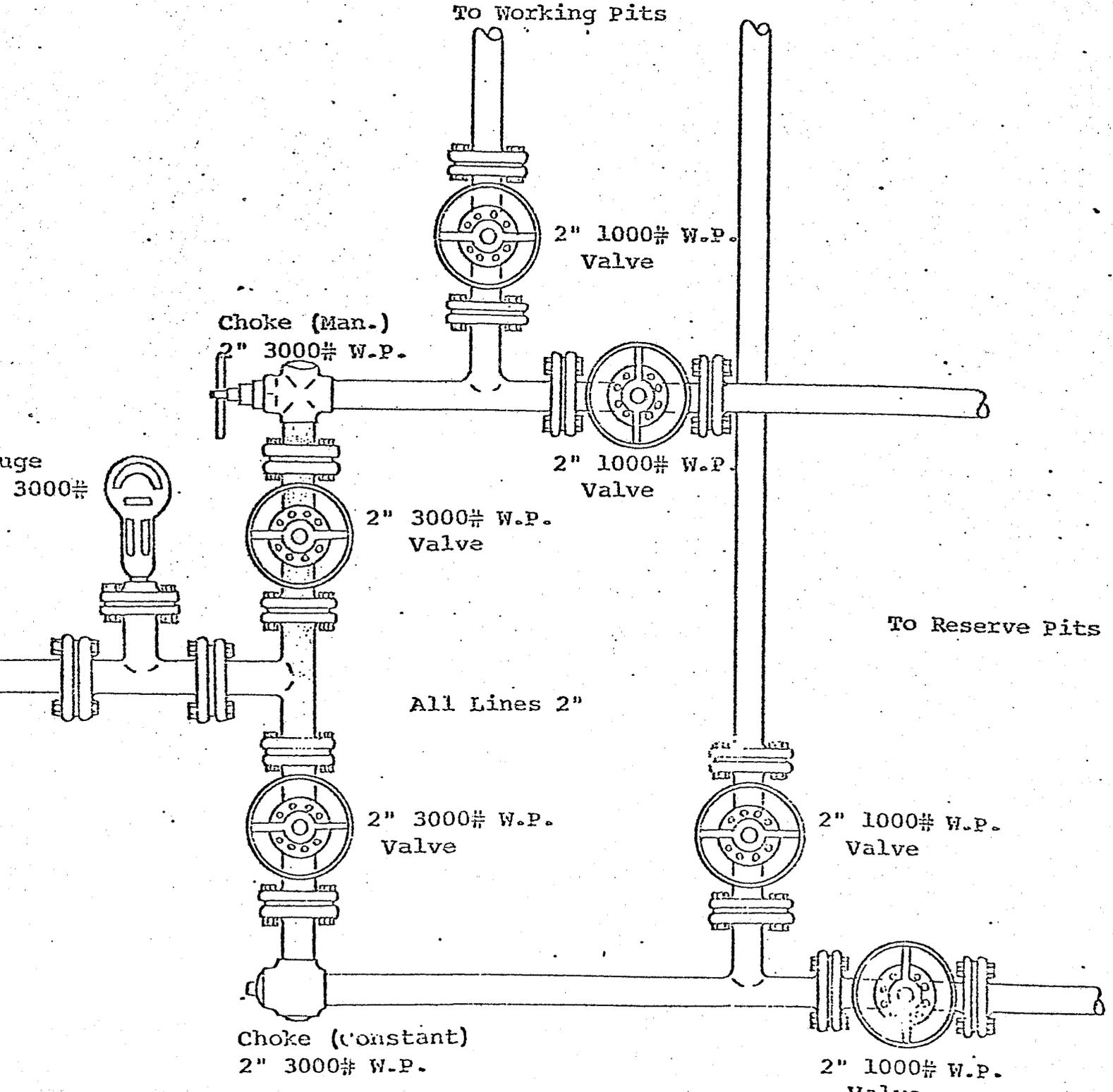
Well No. 1-20 Federal

Location NE NE Sec. 20, T30S, R25E SLMB

San Juan County, Utah

SCHEMATIC OF BLOWOUT PREVENTER MANIFOLD

Working Pressure As Shown psig



MULTI-POINT SURFACE USE OPERATIONS PLAN

CORDILLERA CORPORATION
Little Valley Field
Federal #1-20
NE NE Sec. 20, T 30S, R 25E
San Juan County, Utah

I. EXISTING ROADS

1. Proposed well site shown on attached plat.
2. From La Sal Junction on U.S. 160, about 7 miles east on State 46, south on Lisbon Valley road approximately 9 miles, west on location road 1 1/2 miles, turn right on pipeline right-of-way to Superior dry hole marker in SW SW Sec. 17, then southeast on another pipeline right-of-way and south to location.

II. PLANNED ACCESS ROAD

1. Some maintenance on existing roads.
2. New access road will be approximately 1000 feet from pipeline right-of-way.
3. No private property will be crossed.
4. Roads will be maintained and/or restored to BLM specification when operations are completed. Brush will be cleared away from roadsides, and no traffic will be allowed off established roads.

III. LOCATION OF EXISTING WELLS

1. Attached map shows existing wells in the immediate area.

IV. PRODUCTION FACILITIES

1. A separator and two tanks will be located on the drilling location north of the well.

V. LOCATION AND TYPE OF WATER SUPPLY

1. Water will be trucked from Moab or a closer source, if available.
2. Salt water will be trucked from Moab Salt Well.

VI. CONSTRUCTION MATERIAL

No gravel or rock will be used on location or roads.

VII. WASTE DISPOSAL

1. Nonburnable trash will be collected and hauled to approved municipal dump sites.

2. A burn pit will be fenced off in the reserve pit for burnable items unless burning is not permitted.
3. A separate sump will be dug 6' deep, 12' square to handle waste oil from engines and toxic materials. This sump will be fenced during drilling operations and covered with 2' of dirt when drilling is completed.
4. Cuttings and drilling fluid will be collected in a reserve pit 100' by 40' with adequate dikes to prevent runoff from entering pit, and pit will be of sufficient depth to accomodate all fluids below ground level. Pit will be fenced and flagged.

VIII. AUXILIARY FACILITIES

No camps, runways or other support facilities will be necessary.

IX. WELL SITE LAYOUT

See attached plat.

X. PLANS FOR SURFACE RESTORATION

1. All waste pits will be filled.
2. Revegetation of site will be conducted as recommended by agency representatives.
3. Fences around pits will be maintained until water has evaporated; then pits will be filled, leveled, and seeded.
4. All debris will be removed from location, and the site will be left with natural contours where possible, with no sign of unnecessary foreign objects.

XI. OTHER INFORMATION

1. Proposed location has small amount of sparse grass, some surface rocks and scrub cedar.
2. Location close to small ravine.
3. No dwellings or ranching facilities are within a one-mile radius.
4. Area is used by Redd Ranch for grazing.
5. Wildlife concentration is normal for the area; no evidence of concentrated use of area for feeding grounds.
6. No evidence of any archeological or historical sites.

XII. OPERATOR'S REPRESENTATIVES

Cordillera Corporation
2334 East Third Avenue
Denver, Colorado 80206

MR. JACK M. LUCEY (303) 355-3535
MR. CHARLES N. HAAS (303) 355-3535

XIII. CERTIFICATION

I hereby certify that I have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operation proposed herein will be performed by Cordillera Corporation and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

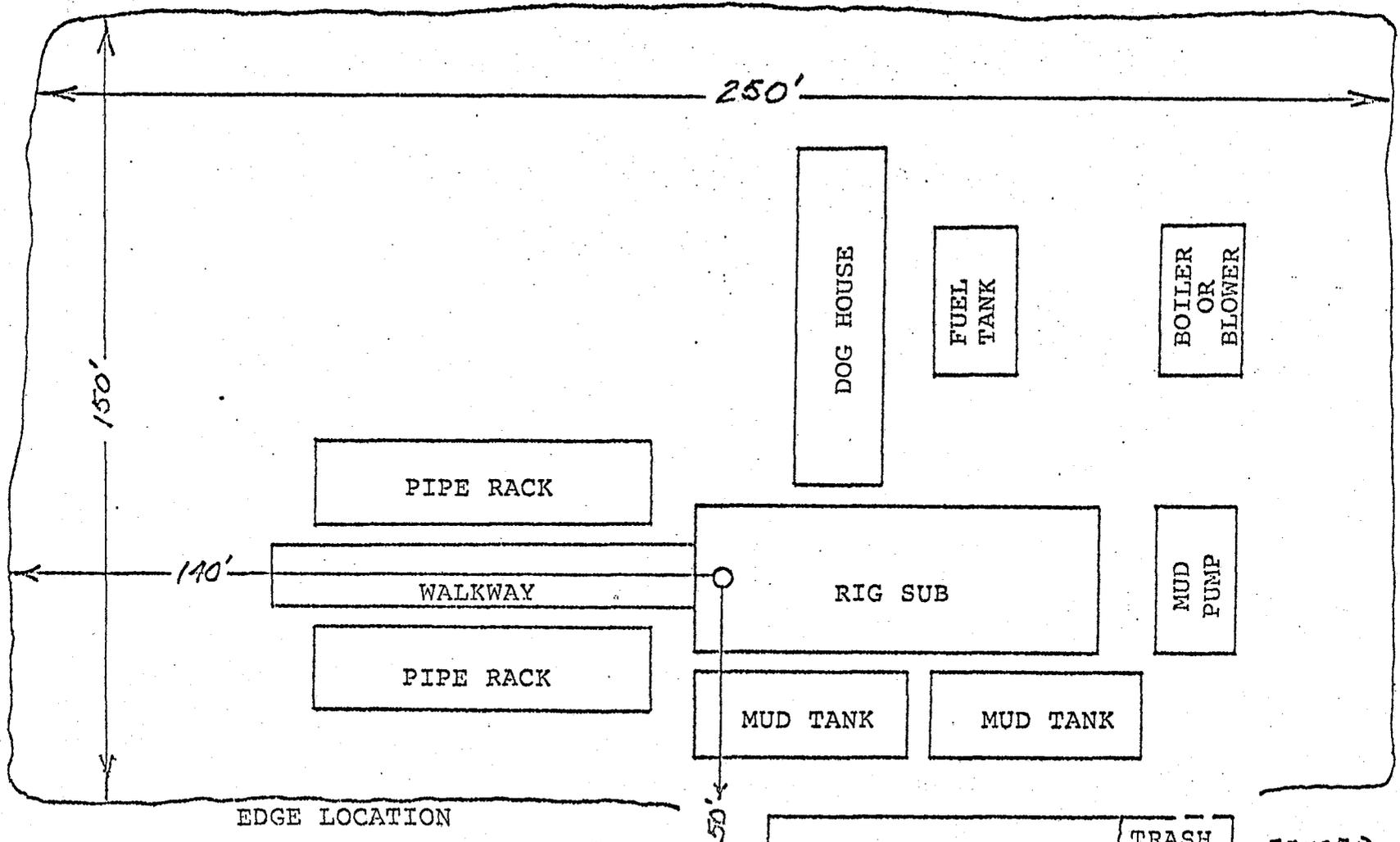
Date: _____

9/12/78

CORDILLERA CORPORATION

Jack M. Lucey

JACK M. LUCEY, ENGINEER



PROPOSED RIG AND LOCATION LAYOUT

Little Valley Field

Well No. 1-20 Federal

Location NE NE Sec. 20, T30S, R25E, SLBM

RESERVE PIT
 Not to Scale
 100' X 100'

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Sept. 18-
Operator: Cordillera Corp.
Well No: Federal 1-20
Location: Sec. 20 T. 30S R. 25E County: San Juan

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:

API Number: 43031-30464

CHECKED BY:

Administrative Assistant: [Signature]
Remarks: No other wells - Sec. 20 - De sit Order
Petroleum Engineer: [Signature]
Remarks:
Director: [Signature]
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. 703 Surface Casing Change
to _____

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site

O.K. Rule C-3 O.K. In _____ Unit

Other:

Letter Written/Approved



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

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

September 19, 1978

I. DANIEL STEWART
Chairman

CHARLES R. HENDERSON
JOHN L. BELL
THADIS W. BOX
C. RAY JUVELIN

CLEON B. FEIGHT
Director

Cordillera Corporation
2334 East Third Avenue
Denver, Colorado 80206

Re: Well No. Federal 1-20
Sec. 20, T. 30 S, R. 25 E,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 70-3.

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

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

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

The API number assigned to this well is 43-037-30464.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

cc: U.S. Geological Survey



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

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

CHARLES R. HENDERSON
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Director

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

May 29, 1979

Cordillera Corporation
2334 East Third Avenue
Denver, Colorado 80206

Re: Well No. Federal 1-20
Sec. 20, T. 30S, R. 25E,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above referred to well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Kathy Avila

KATHY AVILA
RECORDS CLERK



Kathy;

This well has not been drilled. Have hopes of drilling late summer or early fall.

Jack



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
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

November 19, 1979

Cordillera Corporation
2334 E. 3rd Ave.
Denver, Colo. 80206

RE: Well No. Federal #1-20
Sec. 20, T. 30S. R. 25E,
San Juan County, Utah

Gentlemen:

In reference to above mentioned well(s), 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 this well (these wells), please notify this Division. If spudding or any other activity has taken place, please send necessary forms.* If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well, and action will be taken to terminate the application. If you plan on drilling this well 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

Debbie Beauregard
DEBBIE BEAUREGARD
CLERK-TYPIST

JA
ML

CORDILLERA CORPORATION

2334 EAST THIRD AVENUE • DENVER, COLORADO 80206 • (303) 355-3535

11 December 1979

DIVISION OF OIL, GAS AND MINING
Department of Natural Resources
State of Utah
1588 West North Temple
Salt Lake City, Utah 84116

ATTENTION: MS. DEBBIE BEAUREGARD

RE WELL NO. FEDERAL #1-20
Sec. 20, T30S, R25E
San Juan County, Utah

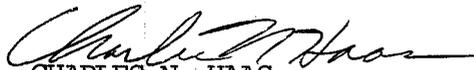
Gentlemen:

In response to your letter of November 19, 1979, pertaining to the referenced well, this well has not been commenced, pending construction by T C P Gathering Co. of an approximately 15-mile natural gas gathering line which will allow for the processing of the sour gas which will be produced from this well, if it is a producer.

Since this gathering line, which extends to the offsetting Cordillera State No. 1 well in Sec. 16, T30S, R25E, has now been completed, Cordillera anticipates drilling the Sec. 20 well in approximately six months, when all necessary preliminary arrangements have been completed.

If you should have any further questions regarding this matter, please do not hesitate to contact me.

Very truly yours,


CHARLES N. HAAS
Vice President

CNH/nll

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-37668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

1-20

10. FIELD AND POOL, OR WILDCAT

Little Valley

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

Sec. 20, T30S, R25E, SLBM

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6750' GR

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) Drilling Permit Extension

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(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.)*

Approval for the extension of drilling permit on subject location, previously approved October 13, 1978. The intent is to spud the well on or about May 1, 1980.

RECEIVED

FEB 27 1980

DIVISION OF
OIL, GAS & MINING

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

SIGNED

Edwin Tuley

TITLE Engineer

DATE 2/25/80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

CORDILLERA CORPORATION

2334 EAST THIRD AVENUE • DENVER, COLORADO 80206 • (303) 355-3535

May 14, 1980

RECEIVED
MAY 16 1980

U. S. Geological Survey
Federal Building
701 Camino del Rio
Durango, Colorado 81301

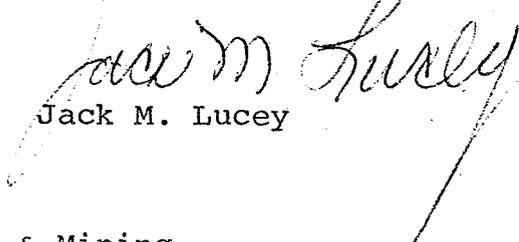
DIVISION OF
OIL, GAS & MINING

Gentlemen:

This is to advise you that Jacobs Drilling Company Rig #3 will be moving on our Federal I-20 location (NE/4 Sec. 20 T30S R25E, San Juan County, Utah) the week of May 18, 1980.

Very truly yours,

CORDILLERA CORPORATION


Jack M. Lucey

JML/jah

cc: Division Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-37668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

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1-20

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Little Valley

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

Sec 20, T30S, R25E, SLBM

12. COUNTY OR PARISH 13. STATE

San Juan 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

Cordillera Corporation

3. ADDRESS OF OPERATOR

2334 East Third Avenue, Denver, CO 80206

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

1000' FNL, 1000' FEL Section 20

14. PERMIT NO.

43-037-30464

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6750 GR

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)
PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)
REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(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.)*

Drilling program on subject well has been changed as follows:

1. Run and cement 1000' 13 3/8"
2. Nipple up and test B.O.P.
3. Drill out and dry up hole
4. Drill 12 1/4" hole using air mist or aerated mud with packed hole assembly to 5200', maintaining 1°/1000' if possible. Brine saturated mist or mud with P-1000 Polymer
5. Run gamma ray - Neutron log with caliper and a directional survey
6. Run 9 5/8" to 5200' and cement up 1000'
7. Drill 7 7/8" hole to 9600' or through Leadville formation
8. Test and log as needed and run 5 1/2" liner cemented to intermediate string
9. Salt saturated gel from 5200' to T. D. with H₂S and drill pipe inhibitor
10. In case of a dry hole, and the 9 5/8 cannot be pulled, the 9 5/8 will be perforated at the top of the salt and cement squeezed.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 2-29-80

BY: *W. J. Mundy*

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

SIGNED

William Lucey

TITLE

Engineer

DATE

5/19/80

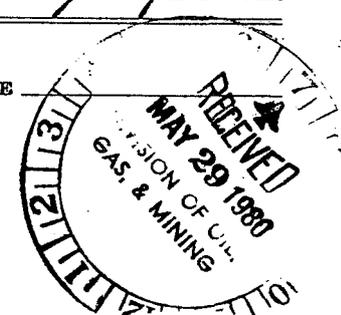
(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

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U-37668

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Federal

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1-20

10. FIELD AND POOL, OR WILDCAT

Little Valley

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

Sec. 20, T30S, R25E, SLBM

12. COUNTY OR PARISH

San Juan

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Cordillera Corporation

3. ADDRESS OF OPERATOR

2334 East Third Avenue, Denver, CO 80206

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

1000' FNL, 1000' FEL, Section 20

14. PERMIT NO.

43-037-30464

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6750 GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Other)

(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.)*

Set 40' 20" conductor with Burns Rathole on May 19. Drilling rig spudded on June 3. Drilled 12 1/2 hole and reamed to 17 1/2. Set 26 joints 13 3/8" 48# H40 casing at 1023.65'. Cemented to surface with 900 sacks. Drilled 12 1/2 hole to 1944'. Pipe stuck and unable to jar or wash over. Backed off, set cement plug and sidetracked. Drilled to 5277' with aerated mud. Ran Gamma Ray Neutron Porosity Log, and Directional Survey, 127 joints 9 5/8" casing set at 5178' with 370 sacks. Present operation morning of July 18 going in hole to drill out.

RECEIVED
JUL 28 1980

DIVISION OF
OIL, GAS & MINING

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

SIGNED

Jack M. Lucey

TITLE

Engineer

DATE

7/18/80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Cordillera Corporation (303-355-3535 Jack Lucy)

WELL NAME: Federal #1-20

SECTION 20 NENE TOWNSHIP 30S RANGE 25E COUNTY San Juan

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 9610'

CASING PROGRAM:

20" @ 40' conductor
13 3/8" @ 1023' cemented to surf
9 5/8" @ 5178 cemented with 30 sx
no TOC

FORMATION TOPS:

Paradox Salt 1951'
Base Salt 8978'
L. Hermosa 9000'
Mississippian 9106'
Dolomite 9252'

PLUGS SET AS FOLLOWS:

- 1) 9150' - 8900'
- 2) 5740' - 5590' Kick off and try other side of fault

Heavy gel-based drilling mud between plugs.

DATE September 15, 1980

SIGNED

W. J. Minder

cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate*
(Other instructions on re-verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-37668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

1-20

10. FIELD AND POOL, OR WILDCAT

Little Valley

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

Sec. 20, T30S, R25E, SLBM

12. COUNTY OR PARISH 13. STATE

San Juan

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
Cordillera Corporation

3. ADDRESS OF OPERATOR
2334 East Third Avenue, Denver, CO 80206

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

1000' FNL, 1000' FEL, Section 20

14. PERMIT NO.
43-037-30464

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6750 GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)*

Well was drilled to T.D. of 9610'. Mississippian porosity was wet. Log along with samples indicated we crossed a fault in the lower Hermosa. The entire hole below 5200' was SW approx. 100' from surface location. It is proposed to set a whip stock at 5641' with a cement plug of 150' from 5700' to 5550' and bring bottom of hole east of the fault. We also propose to set a 250' cement plug from 8900' to 9150' which will cover base of the salt through the top of the Mississippian.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 10-17-80

BY: M. J. Minder

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

SIGNED

TITLE

DATE

(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**

SUBMIT IN TRIPlicate*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

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.)

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR <u>Cordillera Corporation</u></p> <p>3. ADDRESS OF OPERATOR <u>2334 East Third Avenue, Denver, Colorado 80206</u></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>1000' FNL, 1000' FEL, Section 20</u></p>	<p>5. LEASE DESIGNATION AND SERIAL NO. <u>U-37668</u></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME <u>Federal</u></p> <p>9. WELL NO. <u>1-20</u></p> <p>10. FIELD AND POOL, OR WILDCAT <u>Little Valley</u></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Sec. 20, T30S, R25E, SLBM</u></p> <p>12. COUNTY OR PARISH <u>San Juan</u></p> <p>13. STATE <u>Utah</u></p>
<p>14. PERMIT NO. <u>43-037-30464</u></p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) <u>6750 GR</u></p>

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

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

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

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

Placed 250' cement plug from 9150' to 8900' consisting of 170 sacks neat cement with 2% D13. Placed 75-sack plug from 5740' to 5470' of Type G and .75% D65 and 2% CaCl₂. After 90 hours WOC, drilled to 5700' and cemented with 60 sacks G with 1% D65, 2% CaCl and 10# per sack D30 sand. Drilled out with diamond bit and dynadrill. Present depth as of October 2 - 6142'.

RECEIVED
OCT 6 1980
DIVISION OF OIL, GAS & MINING

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

SIGNED Jack M. Lucey TITLE Engineer DATE 10/2/80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

November 20, 1960

Cordillera Corporation
2334 East Third Avenue
Denver, Colorado 80206

RE: Well No. Federal #1-20
Sec. 20, T. 30S, R. 25E.,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING


BARBARA HILL
CLERK TYPIST

/bjh

CC: Forms

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SURMIT IN TRIPL
(Other instructions
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
U-37668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

1-20

10. FIELD AND POOL, OR WILDCAT

Little Valley

11. SEC., T., E., M., OR BLK. AND
SURVEY OR AREA

Sec. 20, T30S, R25E, SLBM

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Cordillera Corporation

3. ADDRESS OF OPERATOR

2334 East Third Avenue, Denver, CO 80206

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

1000' FNL, 1000' FEL, Section 20

14. PERMIT NO.

43-037-30464

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6750 GR

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)*

Well drilled to total depth of 9555'. 5½" liner was set to 9508' with top liner at 4914'. Circulated through liner hanger with 1430 sacks of Class B with 6% gel, 18% salt and .5% retarder. Reversed excess cement. It is proposed to perforate one shot per foot, 9434-32, 28-26, 24-22, 20-18, 14-12 and 9397-95, 93-91. Treat with 7½% HCL and test. Set retrievable at approximately 9360'. Perforate one shot per foot, 9340-36, 9333-28. Treat with 7½% HCL and test. Remove retrievable, swab in, clean up and run four point.

RECEIVED

DEC 20 1980

DIVISION OF
OIL, GAS & MINING

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

SIGNED

Richard M. Lucy

TITLE

Engineer

DATE

12/22/80

(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

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-37668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

1-20

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Little Valley

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Sec. 20, T30S, R25E, SLBM

12. COUNTY OR PARISH 13. STATE

San Juan

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

Cordillera Corporation

3. ADDRESS OF OPERATOR

2334 East Third Avenue, Denver, CO 80206

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

1000' FNL, 1000' FEL, Section 20

14. PERMIT NO.

43-037-30464

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6750 GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Install Pipeline

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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Upon completion, it is proposed to lay a 4½" O.D., .237 wall production pipe on the surface. This line will be in an existing right-of-way on this lease, then continuing in an existing right-of-way on an adjoining State lease held by Cordillera, where it will terminate.

RECEIVED

JAN 12 1981

DIVISION OF
OIL, GAS & MINING

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

SIGNED

Jack M. Auddy

TITLE

Engineer

DATE

1/8/81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
APR 3 1981



DIVISION OF
OIL, GAS & MINING

Cordillera Corporation
Federal 1-20
Completion Report

- 12/1/80 Move rig to location. Rig up. Unload 317 jts, 2 7/8, 6.5# J-55 tubing tally 9550.3'
No well head equipment on location.
Total Cost: \$ 30,302
- 12/2/80 Set rig tank and pump. Acme on location @ 10:00 a.m.
Total Cost: \$ 32,601
- 12/3/80 Make up bit, scraper, jars and 2 collars (70.36'). Run 150' jts 2 7/8" tubing. Shut down for night.
Total Cost: \$ 36,582
- 12/4/80 Ran in hole to 4877' tagged cement. 13' cement above liner top. Rig up to circ mud out of hole. Circ mud till dark. Shut down for night.
Total Cost: \$ 40,207
- 12/5/80 Circ mud out of 9 5/8. Drill cement to top of liner. Circ hole clean with KCL water. Pulled out of hole with tubing. Shut down for night.
Total Cost: \$ 43,827
- 12/6/80 Pulled out of hole. Lay down tools. Driller ran into tongs with collars. Broke tongs and bent 2 jts. tubing.
Total Cost: \$ 46,802
- 12/8/80 Make up 5 1/2 tools, bit, scraper, jars, bumper sub and 6' pump. Total 27.07'. Ran in hole with tubing 163 jts and 26' stack out. Jar down for 30 min. Fell through liner. Work scraper in tight spot for 30 min. till free. Ran 3 more jts. Set down wt. Rig broke down.
Total Cost: \$ 49,077
- 12/9/80 Shut down for repairs.
Total Cost: \$9,652
- 12/10/80 Run total 8 hts below liner hanger. Pushing something down hole. Rig up swivel to drill. Drilled out rubber and steel and cement. Run total 280 jts with tools. Shut down for night.
Total Cost: \$ 53,025
- 12/11/80 Ran in hole with tubing. Circ hole clean. Pulled out of hole for bond log. Could not get past 9436' with tools. Pulled out of hole with tools. Shut down for night. Rig pump still leaking.
Total Cost: \$ 57,327

- 12/12/80 RIH w/tub 157.5 strands 9464'. RU swival to drill. Drill 3 hrs. made about 3" into cmt rubber. Some steel. Clean up hole. TO 60 std. S.D.F.N. Pmp still leaking - Ask crew to repair.
Total Cost: \$67,551
- 12/13/80 Days 13. POOH w/tbg. RIH w/bond tool. Cmtd not get past 9446'. POOH w/tools. Make up pkr & 6' pup. Start in hole w/tbg. Tongs broke dwn @ 2:30 P.M. SD for day.
Total Cost: \$70,280
- 12/14/80 Days - 14. Sunday - day off.
- 12/15/80 Days - 15. RIH w/tbg to 9340' - RIH w/Go Wireline to shoot 2 holes @ 9442'. RU Halco - Brake circ. Set pkr. For break dwn - 5 BBL min @ 3000 psi Mix 50 sx cmt 1/10# CER-2 1/10 of 1 percent HR-5 Displace 56 BBL H2O - Locked up when tool clear. Open by pass rev. out 1.5 BBL.cmt. Test cgs to 3000 psi for 20 mins. Held Start out of hole pull 20 std. SDFN.
Total Cost \$80,055
- 12/16/80 Days - 16. POOH w/tbg. Lay dwn pkr. Make up bit, scraper jars & bumper sub on 6' pup 23.31' total tool. RIH - SD for crew Xmas party @ 1:30 P.M.
Total Cost: \$84,734.
- 12/17/80 Days 17. Crew on loc. @ 10:00 A.M. RIH w/tbg to to top cmt 4340' RU swival to drl cmt. Drl 70' cmt. S.D.F.N.
Total Cost: \$87,510
- 12/18/80 Days 18. RU to drl cmt. Tbg plugged. Pump broke dwn. Drl 10' cmt circ tbg clean. Lay dwn swival. Start out of hole. S.D.F.N.
Total Cost: \$90,826
- 12/19/80 Days 19. POOH w/tbg. Install wellhead - tst to 2000 psi. RU Go Wireline perf w/S.F. total 14 shots 9434' - 32 - 28 - 26 - 24 - 22 - 20 - 18 - 14 - 12 - 9397' - 95 - 93 - 91'. RU Guiberson UNI "5" pkr w/6' pup. Start in hole w/tbg. Set pkr @ 9340'. S.D.F.N.
Total Cost: \$97,505.
- 12/20/80 Days 20. PBD - 9464'
Swb well to pkr - no blow. RU Dowell pmp 1500 gal HCl 71/2%. Broke dwn @ 2700 psi. Pmp in perfs @ 2000 psi @ 3 BBL min - 4 BPM @ 2450 psi - 5 BPM @ 3000 psi. Pmp 20 BBL acid, drop 7 balls - 1 ball per BBL. Displace w/57 bbl 2% KCL. ISIP 500 psi, 3 min "0". RD Dowell RU to swb on 4th. run lost mandral rope socket swival & 1500' sandline.
Total Cost: \$ 104,613

- 12/21/80 Days 21. PBTD-9464'
RD tools.
Total Cost: \$107,405
- 12/22/80 Days 22. PBTD-9464'
Wait on rig.
Total Cost: \$107,405
- 12/23/80 Days 23. PBTD-9464'
MIT. RU - Did not have bolts for BOP. SD till 12/29/80.
Total Cost: \$109,955
- 12/29/80 Days 29. PBTD-9464'
Pull pkr loose. Start out of hole. 0800 pull 64 std - top of sandline
Pull 200' sandline sinker bar, rope socket, swival & swb mandral. POOH
w/rest of tbg. 156 std. Lay dwn pkr. Pick up new pkr. SIH. Rabbit
pipe in hole. Set pkr - Guiberson UNI V @ 9326' - 65' above top perf
RU to swb. S.D.F.N.
Total Cost: \$112,460.
- 12/30/80 Days 30. PBTD 9464'
Swb well to pkr. Small blow - Some gas. Let set 2 hrs. made swb
run. No fluid in hole. Hook up 1/4" ck - open to pit. Slight blow.
Dry gas - no increase - left open to pit. SIW @ 1:00 A.M.
Total Cost: \$115,030.
- 12/31/80 Days 31. PBTD 9464'
Open well to pit @ 7:30 A.M. No press on tbg. Slight blow. Made
swb run - about 500' H2O in tbg. Rel pkr. POOH.
Total Cost: \$117,405.
- 1/1/81 Days 32. PBTD 9464'
Day Off.
- 1/2/81 Days 33. PBTD 9464'
POOH w/3 std tbg. RU Go. Set wireline ret bridge plug @ 9360'.
POOH make up gun. Check fluid level @ 4950' - pmp 60 BBL H2O 2% KCl
to bring fluid to 3000'. Perf 9340', 36', 33', 28'. POOH. Make up
pkr. RIH w/154 std tbg & 6' pup. Set pkr @ 9295'. RU to swb. Hit
fluid @ 1500'. Swb to 500' from pkr. slight blow. S.D.F.N
Total Cost: \$124,821.
- 1/3/81 Days 34. PBTD 9360'
0730 - 1000 psi on tbg. Open to pit. Strong blow till 8:15. Run
swb, fluid @ 4500'. Swb to pkr. Slight blow. RU Dowell pmp 1500
gal M.S.R. Drop 4 balls. Dis 54 BBL 2% HCl. - 4 BBL min @ 2500 psi
I.S.P 500 psi, 5 min 100 psi - bleed off RU to swb. Swb well in
w/3 runs. Blowing water to pit. Some gas - on 2" line. 3:00 P.M.
install 1/4" ck. About 40% gas, 50 psi 4:00 P.M. install 1" ck.
No change. Left well open to pit for night.
Total Cost: \$130,717.

- 1/4/81 Days 35. PBTB - 9360'
0700 open to pit on full ck. 35 to 40' flare 90% gas with 50 psi on gauge.
Total Cost: \$131,092.
- 1/5/81 Days 36. PBTB 9360'
Open to pit till 3:00 P.M. on full ck. Making about 2% water. All gas @ 4:00 P.M. SIW till 5:00 P.M. 1700 psi on tbg. Open well to pit on 1/4" ck @ 5:00 P.M. press to 900 psi @ 6:00 P.M.. Left well open to pit for night. Sent crew home @ 3:00 P.M.
Total Cost: \$133,567
- 1/6/81 Days 37. PBTB 9360'
Flo test 24 hrs. SIP 1700 psi - flo on 1/4" ck w/50 psi.
Total Cost: \$135,940.
- 1/7/81 Days 38. PBTB 9360'
RU Dowell for acid job. H2S Safety Meeting. Pmp 5000 gal 15% HCl. 4000 psi @ 9 BBM. ISP 1200 psi, 15 min. 300. Bleed off. RU to swb. Swb 7 runs. Well flog. Flo tst rest of day. Dry gas - strong blow.
Total Cost: \$149,915.
- 1/8/81 Days 39. PBTB 9360'
Test well on 48-64 ck @ 200 psi. About 2% cond. 4:00 P.M. pmp 40 BBL 2% KCL to kill well. Rel pkr. Start out of hole. Pull 20 std. S.D.F.N.
Total Cost: \$152,896
- 1/9/81 Days 40. PBTB 9464'
POOH w/tbg. Lay down pkr, make up ret. head. RIH to BP. POOH w/BP Make up Model "D" prod. pkr. RIH w/20 std. S.D.F.N.
Total Cost: \$158,535.
- 1/10/81 Days 41. PBTB 9464'
RIH w/tbg. Set pkr @ 9360'. RU Dowell. Pmp 5000 gal 15% HCl - 3000# @ 10 BBM. Drop 20 balls - ISP "0". RU to swb. Fluid @ 2500' Swb till dark. Fluid @ 4500'. S.D.F.N.
Total Cost: \$172,910.
- 1/11/81 Days 42. PBTB 9464'
Swb till 3:00 P.M. - about 5000'. Strong blow - fair gas. BOP started leaking. pmp 100 BBL 2% KCL. Dwn annulus pull pk to 9294' Reset pk. S.D.F.N.
Total Cost: \$176,485.
- 1/12/81 Days 43. PBTB 9464'
Change out BOP rubbers. Fill annulus w/fresh wtr. tst to 1000 psi for 10 min. OK. Rel pkr. Circ. Inhibitor dwn cgs. Make up tree on tbg. Set pkr w/14000#. Make up tree. RU to swb.
Total Cost: \$182,173.

- 1/13/81 Days 44. PBTB 9464'
Swb all day - fluid @ 5000'
Total Cost: \$184,133.
- 1/14/81 Days 45. PBTB 9464'
100 psi on tbg. Bleed off in 5 min. Flo tst all day.
Total Cost: \$188,834.
- 1/15/81 Days 46. PBTB 9464'
Flo tst all day. Well making about 5 BBL hr. wtr.
Total Cost: \$190,592.
- 1/16/81 Days 47. PBTB 9464'
RU Go Wireline. Run temp log. RD Go. Kill well. Remove tree.
Install BOP. Rel pkr, circ well to save pkr fluid.
Total Cost: \$197,785.
- 1/17/81 Days 48. PBTB 9386'
POOH w/154.5 std. RU Go. Set cmt rtr @ 9386'. RD Go. RIH w/tbg.
& stinger.
Total Cost: \$203,089.
- 1/18/81 Days 49. PBTB 9386'
Sunday Day Off.
- 1/19/81 Days 50. PBTB 9386'
Wait on Halliburton till 1:00 P.M. Fill back side w/2% KCL. Pmp
50 BBL 2% KCL dwn tbg. Start cmt. Mix about 5 sk Reg w/2% CACL.
Back side press up. Pull stinger out of retainer. Pmp dwn back side.
Could not get tbg to circ. Pull 3 std tbg. Pmp dwn tbg 55 BBL.
Could not get annulus to circ. Think upper perms communicated. POOH
w/tbg.
Total Cost: \$207,305.
- 1/20/81 Days 51. PBTB 9386'
Make up pkr Model "R" w/23/8 mandral & 6' pup. RIH to 9269'. Set
pkr w/16000# wt. Nipple up tree. RU to press tst. Tst annulus to
1000 psi for 10 min. Held. S.D.F.N.
Took about 300 BBL to fill annulus.
Total Cost: \$209,580
- 1/21/81 Days 52. PBTB 9386'
0730 - No press on tbg. Rig to swb. Fluid about 2500'. Swb all
day. Fluid from 4000' to 6000'. Strong blow after each run.
Total Cost: \$212,471.
- 1/22/81 Days 53. PBTB 9386'
Tbg press 0. Swb from 5000' - 7000' all day to attempt to clean up
well. Well would blow + 10" after pulling load and then die. Fluid
level varied from 5000' to 7000'. S.D.F.N.
Total Cost: \$215,046.

- 1/23/81 Days 54. PBTD 9386'
Tbg. press 100 psi. Opened well up. Well blow down in 15 min. Swb from 5500'. first swb - no gas blow after pulling first run. Swb til noon - well did not kick off. TOH & tally pipe. S.D.F.N.
Total Cost" \$218,587.
- 1/24/81 Days 55. PBTD 9386'
TOH w/rest of tbg. TIH w/RBP & Baker Model "R" pkr. Attempt to set RBP between upper & lower perfs. RBP would not set. Set pkr at 9342' 56 std + 6' sub. Swab. Back side went on vacuum. Unseat pkr to drop it another 18'. Pkr unset OK but would not "J", so we could go back down the hole. Several attempts to "J" the pkr was unsuccessful. TOH w/pkr & RBP.
Total Cost: \$222,544.
- 1/25/81 Days 56. PBTD 9386'
Sunday - Day Off.
- 1/26/81 Days 57. PBTD 9386'
RIH w/pkr & ret. head. Latch on RBP. Pull up hole 10'. Set pkr. Pmp 30 BBL H2O. press to 1200 psi for 10 min. - held. Bleed off. Pull pkr to 9350' - could not set pkr. Slid all way back down to 9375'. To reset - pull pkr back up to btm perf 9340' pkr set. pmp down tbg. press up annulus - had to pmp down annulus to rel pkr. RIH w/pkr to 9344'.
Total Cost: \$225,926.
- 1/27/81 Days 58. PBTD 9386'
POOH w/RBP & pkr. RU Go Wireline. RIH w/Bond tool & CCL - TD w/tools was 9379' Logged up - cgs showed to be bad to collar @ 9356'.
S.N.F.N.
Total Cost: \$228,446.
- 1/28/81 Days 59. PBTD 9346'
RU Go. Set BP @ 9346'. Make up Model "R" pkr. RIH. Set @ 9269' w/6' pup on top of pkr. = 154.5 std. Nipple up on tree. Start swb @ 3:00 P.M. Swb till dark. Water w/some gas. Fluid staying @ 4500'.
S.D.F.N.
Total Cost: \$242,293.
- 1/29/81 Days 60. PBTD 9346'
No press on tbg or cgs. Fluid @ 3000'. Swb from 5000' wtr & some gas.
Total Cost: \$245,294.
- 1/30/81 Days 61. PBTD 9346'
RIH w/swb. Fluid about 5000'. Start off w/2000' fluid. Lost 1/2 mandral & 2 cups. Swb rest of day. Fluid stayed @ 7000'. Pull off pkr all afternoon, after each run slight blow. Fair gas.
Total Cost: \$247,828.

- 1/31/81 Days 62. PBTD 9346'
Swb all day - gas after each run - but tbg will load up and die.
Think inside tbg is building up - hard to get swb past 7000'. Took
wtr samples to Dowell.
Total Cost: \$250,228.
- 2/1/81 Days 63. PBTD 9346'
Day Off
- 2/2/81 Days 64. PBTD 9346'
Nipple dwn tree - kill well w/30 BBL H2O - had 150 psi on tbg. Open to
pit - dead in 5 min. Rel pkr start out of hole - pull 88 std. About
5000' found swb mandral & cups - made swb. Run to about 2000' swb
cups would not go any more. Run pkr to 9269' Reset - S.D.F.N.
Total Cost: \$252,615.
- 2/3/81 Days 65. PBTD 9346'
RU to swb - using undersize cups. Swb all day. Strong blow - last
4 runs from pkr - left well open to pit on 1/2" ck w/6' flare.
Total Cost: \$255,178.
- 2/4/81 Days 66. PBTD 9346'
7:30 A.M. 6' flare on tbg. pmp 20 BBL H2O to kill well. Remove tree.
Install BOP. Rel pkr. Run 2 jts tbg 9329'. Pmp 15 gal soup dwn cgs.
Flush w/10BBL H2O. Run swb - fluid @ 5000' - made 3 swb runs fluid @
7000'. Start N2 press increase to 1300 psi w/198,000 std cf - no blow
on tbg. SD N2 - let set 10 min. No bleed off on cgs. Open cgs to
pit. Bleed dwn to 250 psi on cgs. Run swb fluid @ 3500'. Drop 2
sticks of soup suds. Let sit 1 hr. Start swb could not pull fluid
below 3500'. 4:00 P.M. start N2 dwn cgs. Pmp 152,000 std cf - no
blow on tbg - w/1300 psi on cgs bleed cgs to 250 psi. Drop 4 sticks
soup suds - left cgs shut in. Tbg open to pit. S.D.F.N.
Total Cost: \$265,094.
- 2/5/81 Days 67. PBTD 9346'
Start swb @ 7:30 A.M. fluid @ 5000'. Swb all day. 3:00 P.M. fluid @
7500'. Strong blow after each swb run. 0400 pulling fluid from
9000'. Strong blow.
Total Cost: \$267,589.
- 2/6/81 Days 68. PBTD 9346'
Left tbg open all night - 6' flair @ 6:00 A.M. Annulus press 250 psi
RU swb - fluid level @ 5500'. Swab til noon well would blow for approx.
1 hr. before dying. Swb 3 times after noon to kick well off. csg
press increased to 350 psi during day. SIW to get build up.
Total Cost: \$269,750.

2/7/81

Days 69. PBTD 9346'

Tbg press 900 psi, cgs press 550 psi. Blow well dwn in one hr. Fluid level 6500' on first swb - hit gas pocket @ 400' on second swb run & kinked line. Repair line. Swb one time - well kicked off. Unload well 11:30 - 1:30 on full 2" opening, cgs press dropping from 550 psi to 400 psi. Close butterfly valve some to try and maintain some back press on tbg. 1:30 P.M. start monitor:

Time	Tbg press (psi)	cgs press (psi)
1:30	150	400
2:00	50	400
2:30	SIFN.	

Total Cost: \$271,978.

2/8/81

Days 70. PBTD 9346'

Days Off.

2/9/81

Days 71. PBTD 9346'

7:00 A.M. 1100 psi on tbg, 1250 on cgs. Open tbg to pit "0" 1 hr. Bleed cgs dwn to 600 psi - would not go dwn any more. Hook up pmp to kill cgs. Pmp about 200 BBL 2% KCL. Press dwn to 200 psi. Run out of H2O. Cgs press back up to 500 psi in 25 min. Call for more H2O. Flare cgs to pit for 3 hr. Would not blow dwn. Pmp 100 BBL 2% KCL dwn cgs. Press to "0" open to pit. Flowed back - let set for 3 hrs. 500 psi on cgs. Open to pit. Flared till 2:00 A.M. Press came dwn on cgs.

Total Cost: \$274,225.

2/10/81

Days 72. PBTD 9346'

7:45 A.M. Annulus dead - pull pkr up one jt. Set pkr @ 9305' - 155 jts @ one 6' pup. RU on tree to swb - made 5 runs. Flowing wtr & gas to surf. SIW @ 5:30 P.M. S.N.F.N.

Total Cost: \$276,435.

2/11/81

Days 73. PBTD 9346'

7:00 A.M. tbg had 800 psi, cgs "0". Open well to pit flowed wtr & gas - press dwn to 200 psi. 3:30 press dwn to 75 psi - 15' flare - no H2O - cgs "0". 5:30 P.M. left well on 3/4 ck for night.

Total Cost: \$278,512.

2/12/81

Days 74. PBTD 9346'

10' flare no press, dry gas - made swb run. Fluid @ 8000' - pull swb off pkr - made about 2 BBL H2O strong blow for 10 min. RU Howco, pmp 1000 gal 15% HCL, 2 gal Inhibitor, 4 gal M.FLO II w/N2 displace w/32000 std cf N2. Sit 30 min open to pit. 5:00 P.M. - about 20' flare and 50 psi. Slight blow. Open to pit for night.

Total Cost: \$283,233.

- 2/13/81 Days 75. PBTD 9346'
7:30 A.M. Same as 2/12/81. SIW - RU to swb - could not get in hole w/swb - SIW one hr. 300 psi - 2 hr 500 psi. Open well on 1/4" ck press dwn to 300 psi. Set ck on 3/4" press dwn to 100 psi - SIW @ 1:00 P.M. Rel rig crew for weekend.
Total Cost: \$285,244
- 2/14/81 Days 76. PBTD 9346'
On loc @ 8:00 A.M. - 1350 psi on tbg. Flare well to pit on 1/4" ck.
8:30 press dwn to 1150
9:00 " " " 1000
10:00 " " " 950
10:30 " " " 900
11:00 " " " 850
11:15 Open to full 200 psi about 75% H2O
11:20 Dwn to 1/4" 400 psi about strong mist
11:30 Same " " "
11:15 Open full 200 psi 75% H2O
11:45 Open full " " "
12:00 Open full 150 psi 50% H2O
12:15 1/4" ck 300 psi 25% H2O
12:30 " " 300 psi 25% H2O
Took sample in for Dowell.
Total Cost: \$285,619.
- 2/15/81 Days 77. PBTD 9346'
Sunday Day Off.
- 2/16/81 Days 78. PBTD 9346'
RD N.L. Well Service. Did very good job.
Tbg had 1500 psi - flo tst all day. Left open for night. 200 psi on 1/2" ck. About 25% wtr.
Total Cost: \$288,531.
- 2/17/81 Days 79. PBTD 9346'
Flowed well at different ck sizes from 12-48/64ths. Well still making wtr. SIW for flow test through prod. unit.
Total Cost: \$288,881.
- 3/10/81 Days 80. PBTD 9346'
Bleed well off - remove wellhead after pmpg 25 BBL of 2% KCL H2O to kill well. TOH w/399 jts 27/8, J-55 EUE tbg & one 6' sub.
SIFN 154 std & one single.
Total Cost: \$293,231.

- 3/11/81 Days 81. PBD 9346'
Bleed well off & kill well w/30 BBL 2% KCL H₂O. RU perf truck & perf as follows w/11 shots (1 SPF) (4" cgs gun) 23 gram shot 9328', 29', 30', 31', 32', & 33' - 9336', 37', 38', 39' & 40'. No large increase in press but well had to be killed w/30 BBL of 2% KCL before TIH w/tbg. Set pkr (309 jts) at 9308' w/30,000# wt. Set dwn Model "R" Baker pkr w/23/8" mandral. 6' sub on top of pkr. Replace wellhead.
Total Cost: \$302,531
- 3/12/81 Days 82. PBD 9346'
Tbg press 250 psi. Swb well to clean up before acid job. Well kicked off at 1:00 P.M. & flo by itself while unloading wtr at approx one BPH. On a 3/4" ck well flw at 35 psi for 1/2 hr for a daily flo rate of 506 MCF/day. Well then increased flow rate to 635 MCF for 2 hrs and at one point was producing @ 750 MCF. Last two hrs of flw tst well was producing @ 635 MCF. Shut ck in to 24/64 for an overnight flo period. Leave well open on a 24/64" ck for the night.
Total Cost: \$309,031.
- 3/13/81 Days 83.
Well flowed all night on 24/64" ck @ 53 psi still making some wtr but not as much as it was. RU Dowell to acidize w/5000 gal 15% M.S.R. - 100 & 266,000 SCF N₂ - well acidized @ 1700 psi pmpg 1 BPM acid & 11/2 BPM N₂. Flushed w/N₂ @ 4 BPM w/press increasing to 2500 psi. SI for 30 min to RD Dowell. Open well up to pit. Well unloaded N₂ for 20 min & then started unloading acid foam & acid wtr. Well unloaded at 350 psi on a 3/4" ck for 120 min. 300 psi 60 min. ISIP 2200, 30" SIP 2050. Put well on 14/64" ck for night.
Total Cost: \$311,881.
- 3/14/81 Days 84.
Flo well to pit - well still unloading wtr. RDPU & rel all equip. Well flowing 150 psi on a 48/64" ck. Approx. 2.17MMCF/day.
Total Cost: \$314,531.
FINAL REPORT.

April 22, 1981

Cordillera Corporation
2334 East Third Avenue
Denver, Colorado 80206

Re: Well No. 1-20
Sec. 20, T. 30S. R. 25E.
San Juan County, Utah

Gentlemen!

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Within ninety (90) days after the suspension of operations on abandonment of, the completion of any well drilled for the production of oil or gas, and within ninety (90) days after the completion of any other further operations on the well, if such operations involved drilling deeper or drilling any formation, a well log shall be filed with the Commission on a form prescribed by the Commission, together with a copy of the electric and radioactivity logs if run.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

SANDY BATES
CLERK-TYPIST

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

Form approved,
Budget Bureau No. 42-R355.5.

(S
S
reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

U-37668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

1-20

10. FIELD AND POOL, OR WILDCAT

Little Valley

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

Sec. 20, T30S, R25E, SLBM

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

1b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR

Cordillera Corporation

3. ADDRESS OF OPERATOR

2334 East Third Avenue, Denver, CO 80206

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1000' FNL, 1000' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO. 43-037-304 OIL, GAS & MINING DIVISION OF

APR 30 1981

RECEIVED

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, BT, GR, ETC.)* 19. ELEV. CASINGHEAD

6/3/80

10/30/80

6767 RKB

6750'

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

9555 MD

9346 MD

ALL

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

9328' MD - 9340' MD Mississippian Leadville

No

26. TYPE ELECTRIC AND OTHER LOGS RUN 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
20"		40'		3 1/2 yds.	
13 3/8"	48#	1,024'	17 1/2"	900 sx.	
9 5/8"	36#, 40#, 43.5#	5,178'	12 1/4"	370 sx.	
5 1/2"	17#	9,508'	8 1/2"	1,530 sx.	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 1/2"	4,914'	9,508'	1,530		2 7/8"		

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

1 shot/ft. of +.43" in following:
9412 - 34; 9391 - 97, 9328 - 40

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9412-34; 9391-97	1500 gal. 7 1/2%; 5,000 gal. 15% HC
9328-40	" "
9328-40	5000 gal. 15% & N ₂

33.* PRODUCTION

DATE FIRST PRODUCTION 1/8/81 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) shut-in

DATE OF TEST 3/14/81 HOURS TESTED 24 CHOKE SIZE 48/64 PROD'N. FOR TEST PERIOD APPROX. 15 OIL—BBL. 2,175 GAS—MCF. 5 WATER—BBL. 145:1

FLOW. TUBING PRESS. 150 CASING PRESSURE packer CALCULATED 24-HOUR RATE APPROX. 15 OIL—BBL. 2,175 GAS—MCF. 5 WATER—BBL. 60 OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS Completion report

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

SIGNED

Jack M. Aucey

TITLE

Engineer

DATE

4/1/81

*(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 filled 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 33.

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.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Mississippi Leadville	9,219	9,329	DST#1 open 30", shut in 60" open 90", shut in 120" IH 5236; FH 5296 IO 81-122; ISI 1564 FO 81-122; FSI 2547 Opened with small blow I-PSI - received 120' slightly gas-cut mud and water Misrun	Lower Hermosa Molas Mississippian	9,024 9,140 9,198	
	9,320	9,555				

GASCO, INC.

**POST OFFICE BOX 15265
LAKEWOOD, COLORADO 80215
TELEPHONE 303 989 1740**

September 23, 1987

Utah Natural Resources
Oil, Gas and Mining
3 Triad Center, Suite 400
Salt Lake City, UT 84180

Attn: Tami Searing

Enclosed are the oil & gas production reports on the Little Valley State and Federal wells for August, an amended disposition report for July, Sundry Notices to change the Operator on these wells, and proof of Utah bonding.

If we need to do anything further to operate in Utah please contact me.

Meg Beckman

Meg Beckman

RECEIVED

SEP 28 1987

**DIVISION OF OIL
GAS & MINING**

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

5. LEASE DESIGNATION AND SERIAL NO.
U-37668 PEN #02560

6. IF INDIAN ALLOTTEE OR TRIBE NAME
092903

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
-1-20

10. FIELD AND POOL, OR WILDCAT
Little Valley

11. SEC., T., R., M., OR BLK. AND SUBST OR AREA
Sec 20-T30S-R25E

12. COUNTY OR PARISH 13. STATE
San Juan 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
GSC Operating Co.

3. ADDRESS OF OPERATOR
P.O. Box 15277 Lakewood, CO 80215

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
NENE Sec 20-T30S-R25E SLB
1000' FNL & 1000' FEL

14. PERMIT NO. **43-037-30404** 15. ELEVATIONS (Show whether OF, RT, OR, etc.)
6767' KB

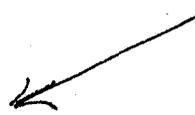
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

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 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.)*

Change Operator from Cordillera Corporation to GSC Operating Co. effective 7-1-87.



GASCO INC. dba GSC OPERATING CO

RECEIVED
SEP 29 1987
DIVISION OF OIL
GAS & MINING

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

SIGNED *Meg Beckman* TITLE Production Tech. DATE 9-23-87

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

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

May 18, 1991

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Gentlemen:

Re: Cause No. UIC-129

Enclosed is a Notice of Agency Action before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

A handwritten signature in cursive script that reads "Lisha Romero".

Lisha Romero
Administrative Analyst
Oil and Gas

djj
Enclosure
HO15/3

**West Hazmat Oil Field Services Inc,
Federal 1-20
Cause No. UIC-129**

Publication Notices were sent to the following:

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

San Juan Record
P.O. Box 879
Monticello, Utah 84066

West Hazmat Oil Field Services Inc.
201 North Vernal Ave.
Vernal, Utah 84078

Bureau of Land Management
San Juan Resource Area
P. O. Box 7
Monticello, Utah 84535

Bureau of Land Management
P. O. Box 970
Moab, Utah 84532

CNG Producing Co.
1459 Poydras St.
New Orleans LA 70112

Mesa Operating
P.O. Box 2009
Amarillo, Texas 79189

Grand County Commission
125 East Center
Moab, Utah 84532



Lisha Romero
Administrative Analyst
May 18, 1992

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

5. LEASE DESIGNATION AND SERIAL NO.
U-37668

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
1-20

10. FIELD AND POOL, OR WILDCAT
Little Valley

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 20-T30N-R25E

12. COUNTY OR PARISH 13. STATE
San Juan Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Gasco, Inc. (dba GSC Operating)

3. ADDRESS OF OPERATOR
P.O. Box 281304, Lakewood, Colorado 80228

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

NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec 20-T30S-R25E SLB
1000' FNL & 1000' FEL

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
6767' KB

14. API NUMBER
43-037-30464

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other) Well Status

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(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.)

It is requested that Temporarily Abandoned Status be continued for another twelve months. Until a more favorable gas market exists.

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

SIGNED [Signature] TITLE Engineering Technician DATE 12-11-91

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

5. Lease Designation and Serial No.
U-35931A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
UT 060P4987C691

8. Well Name and No.
1-20

9. API Well No.
43-037-30464

10. Field and Pool, or Exploratory Area

11. County or Parish, State
San Juan

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
West Hazmat

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APR 02 1992

DIVISION OF
OIL GAS & MINING

3. Address and Telephone No.
P.O. Box 1667 Vernal, UT 84078

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE/NE Sec. 20, T30S, R25E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection

Well evaluation

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

13. 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.)*

OPERATOR PROPOSES TO CONDUCT THE FOLLOWING TEST ON THE SUBJECT WELL.

- 1) BOND LOG
- 2) CASING EVALUATION LOG
- 3) CASING INTEGRITY TEST
- 4) INJECTION TEST WITH TRACER SURVEY
- 5) STEP RATE TEST TO DETERMINE FRAC GRADIENT AND LEAK OFF RATE
- 6) WATER & GAS SAMPLING
- 7) 60 TO 90 DAY TEST, TO DETERMINE CONDUCTIVITY AND PERMEABILITY. THE TEST WILL CONSIST OF INJECTING APPROXIMATELY 400 BBLS OF PRODUCED WATER PER DAY. THE PRODUCED WATER WILL BE TRUCKED FROM THE WELL 2-21F, OPERATED BY MESA, IN SE/NE SECTION 21, T30S, R25E

IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT
WILLIAM A. RYAN
OPERATIONS MANAGER
ROCKY MOUNTAIN CONSULTING
VERNAL, UT 84078
801-789-0968 or 801-823-6152

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

DATE: 4-3-92
BY: [Signature]

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

Signed William A. Ryan Title Agent

(This space for Federal or State office use)

Date 3/26/92

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

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make any false statement or representations as to any matter within its jurisdiction.

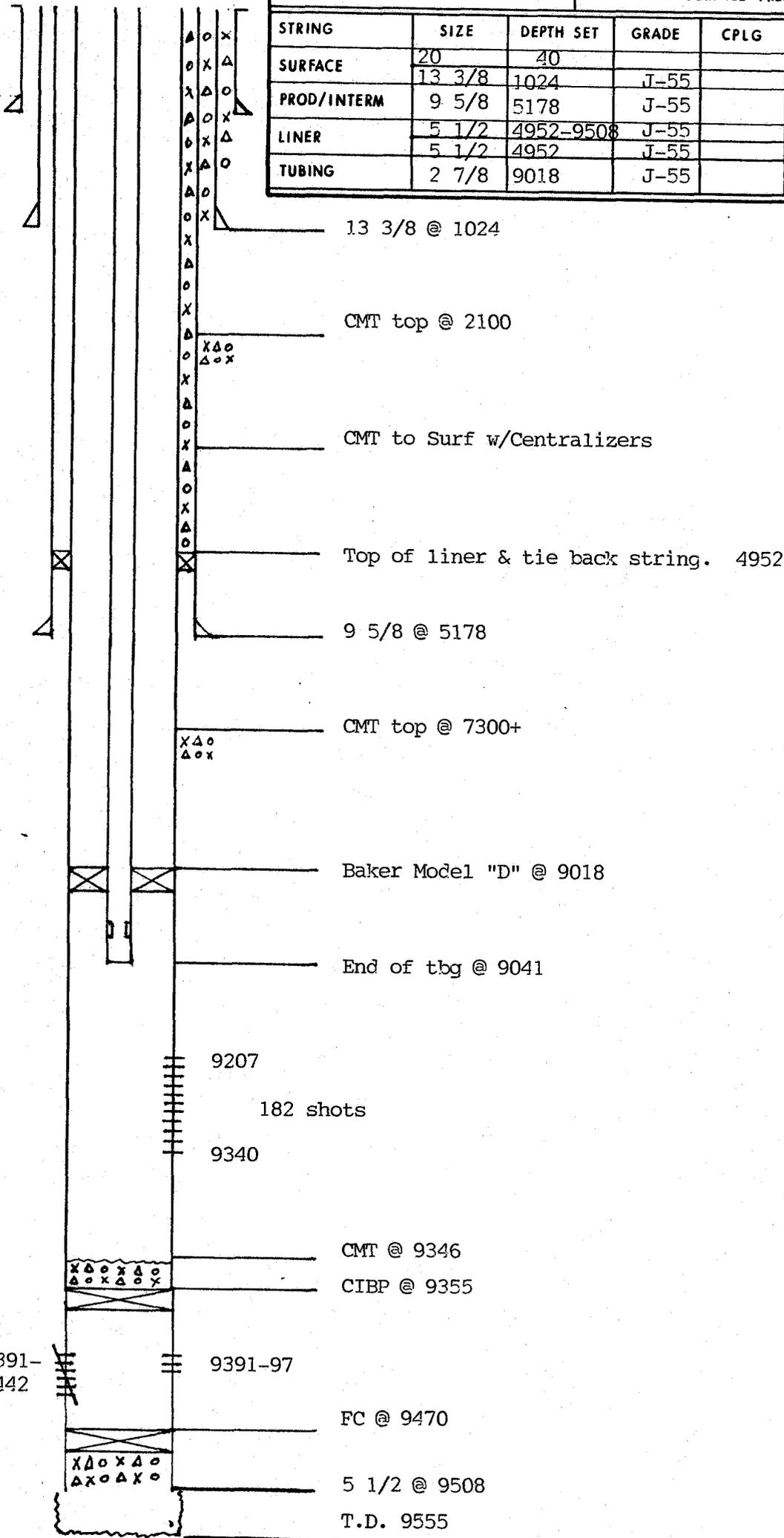


WELL COMPLETION WORKSHEET

Date
4/27/92

LEASE U-37668	Well No. 1-20	Location Sec. 20, T30s, R25E	County San Juan	State UT		
WELLHEAD W.P.		ANTICIPATED SURFACE PRESSURE				
STRING	SIZE	DEPTH SET	GRADE	CPLG	WT.	BURST
SURFACE	20	40				
PROD/INTERM	13 3/8	1024	J-55		48	
LINER	9 5/8	5178	J-55		36,40	43.5
	5 1/2	4952-9508	J-55		17	
TUBING	5 1/2	4952	J-55		15.5	
	2 7/8	9018	J-55		6.5	

KB-
GL-



9391-
9442

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-37668 35931A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

UT060P49-87C691

8. Well Name and No.

Federal

9. API Well No.

1-20 13-037-30464

10. Field and Pool, or Exploratory Area

Little Valley

11. County or Parish, State

San Juan, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

West Hazmat Oil Field Services, Inc.

3. Address and Telephone No.

201 N. Vernal Ave. #1, Vernal, Utah 84078

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1000'FNL, 1000'FEL (NE $\frac{1}{4}$ NE $\frac{1}{4}$) Section 20, T30S, R25E, SLB

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13. 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.)*

Notice is hereby given that effective March 19, 1992, West Hazmat Oil Field Services, Inc. is the operator of the Federal 1-20 well.

OIL GAS & MINING
DIVISION OF

APR 02 1992

RECEIVED

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

Signed

(This space for Federal or State office use)

Title

GASCO INC. (GSC OPER)

Date

Date

Approved by
Conditions of approval, if any:

April 30, 1992

Mr. Gil Hunt
State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

APR 30 1992

DIVISION OF
OIL GAS & MINING

Dear Gil:

Attached please find an application for a commercial class II injection well. The well is the Federal 1-20 located NE/NE Sec. 20, Twp.30 S., Rge., 25E. San Juan County, Utah (API Well #43-037-30464). West Hazmat Oil Field Services Inc. has taken over operation of the well and is in the process of conducting a 90 day ~~conductivity~~ ^{injecting} test on the well.

We have retained Mr. Bill Ryan of Rocky Mountain Consulting to oversee well completion and permitting of the project. If you have any questions please contact Bill at 801-789-0968 or me at 801-789-9584.

Also please note that the application is missing water analysis, these will be faxed to you today.

Sincerely,



Steve Rooney
Vice President.

Enc.
c.c. Bill Ryan

STATE OF UTAH
 DIVISION OF OIL, GAS, AND MINING
 ROOM 4241 STATE OFFICE BUILDING
 SALT LAKE CITY, UTAH 84114
 (801) 533-5771
 (RULE 1-5)

FORM NO. DOGM-UIC-1

IN THE MATTER OF THE APPLICATION OF

West Hazmat Oil Field Services, Inc. CAUSE NO. _____

ADDRESS 201 North Vernal Av. #1
Vernal Ut 84078 ZIP _____

ENHANCED RECOVERY INJ. WELL	<input type="checkbox"/>
DISPOSAL WELL	<input checked="" type="checkbox"/>

INDIVIDUAL _____ PARTNERSHIP _____ CORPORATION _____
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE 1-20 WELL
 SEC. 20 TWP. 30S RANGE 25E
San Juan COUNTY, UTAH

APPLICATION

Comes now the applicant and shows the Division the following:

1. That Rule 1-5 (b) 6 authorizes administrative approval of enhanced recovery injections or disposal operations.
2. That the applicant submits the following information.

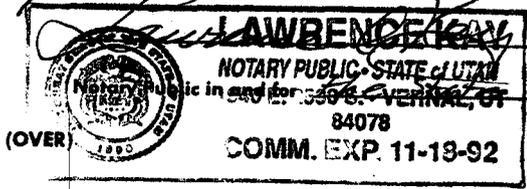
Lease Name <u>U-37668</u>	Well No. <u>1-20</u>	Field	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>1-20</u> Sec. <u>20</u> Twp. <u>30S</u> Rge. <u>25E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>6/4/92</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>NA</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		State What
Location of Injection Source(s) <u>Oil & Gas wells in San Juan & Grand Co.</u>	Geologic Name(s) and Depth of Source(s) <u>NA</u>		
Geologic Name of Injection Zone <u>Mississippi</u>	Depth of Injection Interval <u>9207</u> to <u>9340</u>		
a. Top of the Perforated Interval: <u>9207</u>	b. Base of Fresh Water: <u>2000</u>	c. Intervening Thickness (a minus b) <u>7207</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? <u>Yes</u>			
Lithology of Intervening Zones <u>Salt</u>			
Injection Rates and Pressures Maximum <u>2500+</u> B/D <u>500</u> PSI			
The Names and Addresses of Those To Whom Copies of This Application and Attachments Have Been Sent			
<u>BLM- Monticello, Ut.</u>			
<u>Division of State Lands & Forestry- Salt Lake City</u>			
<u>CNG Production Co.- New Orleans, La.</u>			
<u>Mesa Operating Ltd.- Amarillo, Tx.</u>			

State of Utah)
 County of Uintah)
) William A. Ryan Applicant
) William A. Ryan Agent for West Hazmat

Before me, the undersigned authority, on this day personally appeared William A. Ryan known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Subscribed and sworn to before me this 11th day of May, 19 92

SEAL
 My commission expires Nov 18th, 1992



Utah

INJECTION WELL APPLICATION

REVIEW SUMMARY

Applicant: WEST HAZMAT Well: FEDERAL 1-20

Location: section 20 township 30 SOUTH range 25 EAST

API #: 43-037-30464 Well Type: disp.X enhanced recov.

If enhanced recovery has project been approved by the Board ? NA

Lease Type: FEDERAL Surface Ownership: FEDERAL

Field: LITTLE VALLEY Unit: Indian Country: NO

UIC Form 1: NO Plat: YES Wells in AOR: 1P&A

Logs Available: YES Bond Log: YES

Casing Program: SUFFICIENT

Integrity Test: TO BE RUN AT CONVERSION

Injection Fluid: H2O

Geologic Information: LEADVILLE INJECTION ZONE, PARADOX SALT CONFINING ZONE

Analyses of Injection Fluid: NO Formation Fluid: NO Compat. NO

Fracture Gradient Information: NO SEE COMMENT Parting Pressure:

Affidavit of Notice to Owners: NO

Fresh Water Aquifers in Area: NAVAJO KAYENTA WINDGATE

Depth Base of Moderately Saline Water:

Confining Interval: APPROX. 7000' SALT

Reviewer: D. JARVIS Date: 05-07-92

Comments & Recommendations: SPOKE TO BILL RYAN CONSULTANT TO WEST HAZMAT, TOLD HIM WE NEEDED AFFADAVIT STATING OPERATORS AND OWNERS HAD BEEN NOTIFIED, WATER ANALYSIS IS NEEDED INJECTIVITY TEST WILL BE RUN AFTER WELL STABALIZES, WELL CURRENTLY WILL TAKE WATER UNDER VERY LOW PRESSURE. CASING AND LINER PASSED MIT.

**WEST HAZMAT (Conversion to Injection)
Federal 1-20
NE/NE Section 20, T. 30S, R. 25E
San Juan County, Utah**

- 3-26-92 Pressured casing to 1000 psi held 30 minutes. Tubing injection rate 5 BPM at 100 psi. Shut in until the rest of the paperwork is finished.
- 4-2-92 Installed BOP. Released packer. Started out of the hole laying tubing down in singles.
- 4-3-92 Returned to location and continued to lay down tubing.
- 4-4-92 Picked up 2 7/8" tubing. Work string went in the hole to Perfs. tripped out.
- 4-5-92 Finished pulling out of hole and went in with BP and pulled out of the hole.
- 4-6-92 Ran logs. Found cement approximately 9000'.
- 4-7-92 Went in hole with Baker. Packer picked up BP set below Perfs. started injecting water that was on location.

4-21-92
WIN5

mickey Colthard

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
U-35931A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
UT 060P4987C691

8. Well Name and No.
1-20

9. API Well No.
43-037-30464

10. Field and Pool, or Exploratory Area

11. County or Parish, State
San Juan

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
West Hazmat

3. Address and Telephone No.
P.O. Box 1667, Vernal, UT 84078

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE/NE Sec. 20, T30S, R25E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	Confirm Verbal Report

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

13. 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.)*

Operator wishes to confirm the verbal report of an injury on the subject location. Operator reported that a sub contractor's employee cut his foot and broke a toe. The contractor visited a hospital. No stitches were required and the employee returned to work. The injury occurred on 4-17-92.

If you require additional information, please contact:

William A. Ryan
Operations Manager
ROCKY MOUNTAIN CONSULTING
350 South, 800 East
Vernal, UT 84078

(801) 789-0968

RECEIVED

MAY 07 1992

DIVISION OF
OIL GAS & MINING

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

Signed William A. Ryan

Title Operations Manager

Date 5/5/92

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any: _____

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

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
U-35931A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
UT 060P4987C691

8. Well Name and No.
1-20

9. API Well No.
43-037-30464

10. Field and Pool, or Exploratory Area

11. County or Parish, State
San Juan

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
West Hazmat

3. Address and Telephone No.
P.O. Box 1667, Vernal, UT 84078

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE/NE Sec. 20, T30S, R25E

RECEIVED

MAY 07 1992

DIVISION OF

OIL GAS & MINING

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTIFICATION REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection

Amend Sundry Notice

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

13. 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.)*

Operator wishes to amend sundry notice submitted 3/26/92. The subject sundry notice reported that a 60-90 day conductivity test would be conducted on the subject well. The operator proposed using 400 Bbls. of produced water per day. Subsequent to the 3/26/92 sundry, Mesa has had to curtail production from the 2-21F. This has limited the water to less than 200 Bbls. per day. The operator requires 400 or more Bbls. per day to conduct the test. If less water is available, the test will require additional time. The operator would like to take 100 Bbls. per day of produced water from the Long Canyon #1 Well in Sec. 9, T26S, R20E operated by Emerald Oil & Mining Co. The additional water should reduce the time required for the test from 180 days to 120 days.

If you require additional information, please contact:
William A. Ryan 350 S., 800 E.
ROCKY MOUNTAIN CONSULTING Vernal, UT 84078
(801) 789-0968

14. I hereby verify that the foregoing is true and correct

Signed William A. Ryan Title Operations Manager Date 5/4/92

(This space for Federal or State office use)

Approved by Federal Approval of this Title _____
Conditions of approval, if any Action is Necessary

* Accepted by the State
of Utah Division of
Oil, Gas and Mining

* Attached Conditions

Date: 5-8-92

By: [Signature]

*See Instruction on Reverse Side

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

SUNDRY NOTICE (5-4-92)
APPROVAL ATTACHMENT

West Hazmat
#1-20 Well
43-037-30464
20, T30S, R25E

Conditions of Approval:

West Hazmat shall supply regular reports (every two weeks) of injection activities including volumes injected, injection pressures, and fluid sources to DOGM, UIC Section.

May 5, 1992

Division of Oil, Gas & Mining
Attn: Gill Hunt
3 Triad Center, Ste. 350,
Salt Lake City, UT 84180-1203

RECEIVED

MAY 13 1992

DIVISION OF
OIL GAS & MINING

Dear Gill

Per our meeting April 30, 1992, West Hazmat Oil Field Service Inc. confirms that all surface and mineral owners within a 1/2 mile radius of the proposed water injection well have been notified. The subject well is the 1-20 in Section 20, T30S, R25E.

The following companies and surface management agencies were notified that West Hazmat has made an application to the State of Utah for a Class II water injection well. A copy of the application was also attached to the letter.

Bureau of Land Management
San Juan Resource Area
P.O. Box 7
435 N. Main
Monticello, Utah 84535

*Federal 1-20
43-037-30464*

Division of State Lands & Forestry
3 Triad Center #400
Salt Lake City, UT 84180-1204

CNG Production Co.
1450 Poydras St.
New Orleans, LA 70112

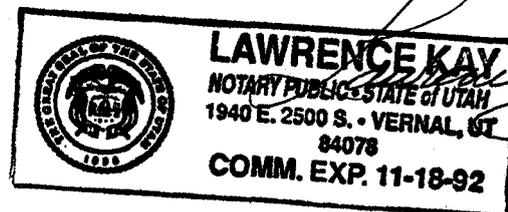
Mesa Operating Ltd.
P.O. Box 2009
Amarillo, TX 79189

If you require additional information please contact:

William A. Ryan
Operations Manager
Rocky Mountain Consulting
Agent for West Hazmat Oil Field Services, Inc.
801-789-0968
801-823-6152

Yours Truly

William A. Ryan
William A Ryan



APPLICATION FOR CLASS II INJECTION WELL (DISPOSAL)

THE OPERATOR (WEST HAZMAT OIL FIELD SERVICE INC.) RESPECTFULLY REQUESTS PERMISSION FOR A CLASS II DISPOSAL WELL.

THE OPERATOR SUPPLIES THE FOLLOWING INFORMATION PER THE STATE OF UTAH'S "OIL AND GAS CONSERVATION GENERAL RULES".

R1615-5-2 REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS

2.1 PLAT, LOCATION OF OTHER WELLS, SURFACE AND MINERAL OWNER.

THE PROPOSED INJECTION WELL (1-20) IS IN THE NE/NE OF SECTION 20, T30S, R25E. THE SURFACE IS MANAGED BY THE BLM. THE MINERALS ARE HELD BY THE FEDERAL GOVERNMENT. THE LEASE NUMBER IS U-35931A. THE WELL IS PART OF A COMMUNITIZED AREA. WELL 1-20 IS THE ONLY WELL IN THE COMMUNITIZED AREA.

PLEASE SEE THE ATTACHED PLAT.

THERE ARE NO PRODUCING WELLS WITHIN A 1/2 MILE RADIUS OF THE PROPOSED INJECTION WELL.

THERE IS ONE PLUGGED AND ABANDONED WELL IN THE SW/SW OF SECTION 16, T30S, R25E., THE SPILLER #1. THE WELL WAS PLUGGED AND ABANDONED BY WEST HAZMAT ON 3/22/92.

SURFACE AND MINERAL OWNERSHIP WITHIN A 1/2 MILE RADIUS:

LOCATION	SURFACE	MINERAL	LEASE #
SEC.16, T30S, R25E	STATE OF UTAH	STATE OF UTAH	ML 26505
SEC.17, T30S, R25E	FEDERAL	FEDERAL	U 58524
SEC.17, T30S, R25E	FEDERAL	FEDERAL	U 44349
SEC.21, T30S, R25E	FEDERAL	FEDERAL	U 094674
SEC.20, T30S, R25E	FEDERAL	FEDERAL	U 37668
SEC.20, T30S, R25E	FEDERAL	FEDERAL	U 38844
SEC.20, T30S, R25E	FEDERAL	FEDERAL	U 35931
SEC.20, T30S, R25E	FEDERAL	FEDERAL	U 094674

2.2 OPEN HOLE LOGS

THE FOLLOWING LOGS ARE ON FILE, AND HAVE BEEN SINCE THE WELL WAS DRILLED IN 1981:

INDUCTION ELECTRIC LOGS
DENSITY LOG

2.3 CASED HOLE LOGS

THE OPERATOR RAN A CEMENT BOND LOG AND CASING EVALUATION LOG ON THE SUBJECT WELL. LOGGING WAS PERFORMED ON APRIL 6, 1992.

IN ADDITION TO THE BOND LOG A TEMPERATURE AND TRACER SURVEY WAS RUN. THE SURVEYS WERE RUN ON APRIL 8, 1992.

THE LOGS ARE ON FILE WITH THE STATE OF UTAH AND ONE COPY OF EACH IS INCLUDED WITH THIS APPLICATION.

2.5 CASING EVALUATION

THE WELL HAS THE FOLLOWING CASING INSTALLED.

DEPTH	SIZE	WEIGHT	GRADE
0-1024	13 3/8	48	J-55
0-5178	9 5/8	36,40,43.5	J-55
0-4952	5 1/2	15.5	J-55
4952-9346	5 1/2	17.0	J-55

PLEASE SEE THE ATTACHED DOWN HOLE DIAGRAM.

THE ATTACHED CASING EVALUATION LOGS WERE RUN TO EVALUATE THE CONDITION OF THE CASING.

THE LOGS INDICATE THAT THE 5 1/2 CASING LINER HAD 90% OR GREATER WALL THICKNESS. LITTLE OR NO CORROSION HAS OCCURRED TO THE 5 1/2 IN. CASING. THIS WAS NOT THE CASE WITH THE 9 5/8 IN PRODUCTION CASING.

THE 9 5/8 CASING WAS TESTED TO 1,000 PSI FOR 30 MIN. AND HELD. EVEN THOUGH THE CASING TESTED TO 1000 PSI THE OPERATOR DECIDES THAT THE CASING LOGS INDICATED THE 9 5/8 CASING HAD BEEN CORRODED. TO INSURE ADDITIONAL CORROSION WOULD NOT INTERFERE WITH FUTURE OPERATIONS, A TIE BACK LINER WAS INSTALLED. THE TIE BACK WAS THEN CEMENTED BACK TO THE SURFACE.

THE OPERATOR HAS CONDUCTED A PRESSURE TEST OF THE TIE BACK STRING AND 5 1/5 LINER. THE CASING WAS HYDRO TESTED TO 1000 PSI FOR 12 HOURS. THE PRESSURE HELD FOR THE 12 HOURS.

2.6 FLUID TYPE

THE OPERATOR PROPOSES TO USE THE INJECTION WELL TO DISPOSE OF PRODUCED FLUIDS FROM OIL AND GAS WELLS IN THE AREA.

AN OFF SET GAS WELL PRODUCES APPROXIMATELY 400 BBLs OF WATER PER DAY. THE OFF SET WELL WILL BE THE MAIN SOURCE OF WATER. THE OPERATOR IS UNABLE TO SUPPLY INFORMATION AT THIS TIME ON WHAT ADDITIONAL WATERS MAY BE DISPOSED OF IN THE FUTURE.

2.7 LABORATORY ANALYSES

PLEASE SEE THE ATTACHED LAB REPORTS

LABORATORY ANALYSIS OF THE DISPOSAL FLUIDS DO NOT INDICATE AN INCOMPATIBILITY WITH THE FORMATION FLUIDS.

2.8 INJECTION PRESSURES

THE AVERAGE INJECTION PRESSURES WILL BE APPROXIMATELY 500 PSI AT 2500 BBLs PER DAY.

THE MAXIMUM INJECTION PRESSURE WILL BE 1500 PSI. MAXIMUM INJECTION RATE WILL BE LIMITED BY THE MAXIMUM INJECTION PRESSURE.

2.9 FRACTURE HEIGHT CONTROL AND PROTECTION OF FRESH WATER STRATA

A FRACTURE GRADIENT HAS NOT BEEN CALCULATED BECAUSE THE INJECTION RATES ARE SO HIGH WE RUN OUT OF WATER BEFORE WE CAN FILL THE VOIDS IN THE FORMATION. THE FLUID LEVEL IN THE WELL REMAINS AT APPROXIMATELY 5000 FEET.

A FRACTURE GRADIENT MAY BE AVAILABLE AFTER WE HAVE COMPLETED OUR 90 DAY CONDUCTIVITY TEST.

THE OPEN AND CASED HOLE LOGS SHOW THAT THE ZONE AT 9207-9340 IS ISOLATED FROM ANY FRESH WATER ZONES BY 7000 FEET OF SALT. THE SALT ZONES START AT APPROXIMATELY 2100 FEET AND EXTEND TO 9035 FEET. THE TOP OF THE PERFORATED INTERVAL IS ISOLATED FROM THE SALT BY A 110 FOOT SHALE ZONE.

CEMENT BOND LOGS SHOW GOOD CEMENT TO 7300 FEET IN THE 5 1/2 INCH CASING LINER.

THE 9 5/8 CASING WAS CEMENTED FROM T.D. (5178 FEET) TO 3100 FEET. IN ADDITION A 5 1/2 TIE BACK STRING HAS BEEN CEMENTED INSIDE THE 9 5/8 FROM THE LINER AT 4952 FEET BACK TO THE SURFACE.

THE OPERATOR ALSO PUMPED 235 SACKS OF 35:65 6% CEMENT DOWN THE 13 3/8 X 9 5/8 ANNULAS.

2.10 GEOLOGICAL DATA

THE PERFORATED ZONE (9207-9340) IS IN THE MISSISSIPPIAN FORMATION.

THE 7000 FOOT SALT ZONE IS PART OF THE PARADOX MEMBER OF THE HERMOSA FORMATION.

THE PARADOX MEMBER IS PREDOMINANTLY MADE UP OF EVAPORITES.

THE SUBJECT WELL WAS DRILLED IN 1981. THE MUD LOGGERS DID NOT COLLECT FORMATION SAMPLES OVER THE PERFORATED INTERVAL AT THAT TIME.

2.11 REVIEW OF OFF SET WELL

NO WELLS EXIST WITHIN 1/2 MILE OF THE PROPOSED INJECTION WELL.

2.12 AFFIDAVIT CERTIFYING THAT A COPY OF THE APPLICATION HAS BEEN MAILED TO ALL OPERATORS, SURFACE AND MINERAL OWNERS

THE OPERATOR HERE STATES THAT ALL OPERATORS WITHIN A 1/2 MILE RADIUS, HAVE BEEN SENT A COPY OF THIS APPLICATION. THE OPERATOR FURTHER STATES THAT ALL SURFACE AND MINERAL OWNERS WITHIN A 1/2 MILE RADIUS, HAVE BEEN SENT A COPY OF THIS APPLICATION.

disk 59
file uic_ap

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing: *J/af*

1-LCR	7-LCR
2-DTS	<i>275</i>
3-VLC	<input checked="" type="checkbox"/>
4-RJF	<input checked="" type="checkbox"/>
5-RWM	<input checked="" type="checkbox"/>
6-ADA	<input checked="" type="checkbox"/>

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 3-19-92)

TO (new operator)	<u>WEST HAZMAT OIL FIELD SVC.</u>	FROM (former operator)	<u>GASCO, INC. (DBA GSC OPER)</u>
(address)	<u>201 N. VERNAL AVE. #1</u>	(address)	<u>P. O. BOX 281304</u>
	<u>VERNAL, UT 84078</u>		<u>LAKEWOOD, CO 80228-9304</u>
	<u>STEVE ROONEY</u>		
	phone <u>(801) 789-9584</u>		phone <u>(303)980-9340</u>
	account no. <u>N 9190</u>		account no. <u>N0535</u>

Well(s) (attach additional page if needed): ***CA UTO60P49-87C691**

(NEW LEASE U-35931A)

Name: <u>FEDERAL 1-20/LDLL</u>	API: <u>43-037-30464</u>	Entity: <u>2560</u>	Sec <u>20</u> Twp <u>30S</u> Rng <u>25E</u>	Lease Type: <u>U-37668</u>
Name: _____	API: _____	Entity: _____	Sec ___ Twp ___ Rng ___	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec ___ Twp ___ Rng ___	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec ___ Twp ___ Rng ___	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec ___ Twp ___ Rng ___	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec ___ Twp ___ Rng ___	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec ___ Twp ___ Rng ___	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- J/af* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 4-2-92)*
- J/af* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Reg. 4-2-92)*
- J/af* 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #131140.
- J/af* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- J/af* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(5-14-92)*
- J/af* 6. Cardex file has been updated for each well listed above. *(5-14-92)*
- J/af* 7. Well file labels have been updated for each well listed above. *(5-14-92)*
- J/af* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(5-14-92)*
- J/af* 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- See 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes (no) ___ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
- See 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19__.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19__, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING RMW

- ✓ 1. All attachments to this form have been microfilmed. Date: May 18 1992.

FILING

- See 1. Copies of all attachments to this form have been filed in each well file.
- See 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

920507 Btm/S.L. "Mickey Coulthard - Not approved as of yet."
920514 Btm/S.L. "Therese Thompson - Approved 4-2-92." (Btm approval being mailed)

NO. 1
5/14/92

WELL STATUS REPORTS
UTAH STATE OFFICE

API NUMBER	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NUMBER	DISTRICT	TYPE
------------	-------------	------	-----	-----	-----	-------------	--------------	----------	------

** INSPECTION ITEM = UT060P49870691

* OPERATOR = WEST HAZMAT OIL FIELD SVC INC

430373046400S1 1-20	NENE	20	30S	25E	GSI	UT097669	MOAB, UT	C
---------------------	------	----	-----	-----	-----	----------	----------	---

RECEIVED

MAY 18 1992

DIVISION OF
OIL GAS & MINING



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

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

May 18, 1992

San Juan Record
P. O. Box 879
Monticello, Utah 84066

Gentlemen:

Re: Cause No. UIC-129

Enclosed is a Notice of Agency Action before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

A handwritten signature in cursive script that reads "Lisha Romero".

Lisha Romero
Administrative Analyst
Oil and Gas

djj
Enclosure
HOI5/2

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

---ooOoo---

IN THE MATTER OF THE APPLICATION : NOTICE OF AGENCY ACTION
OF WEST HAZMAT OIL FIELD SERVICES INC. :
FOR ADMINISTRATIVE APPROVAL OF THE : CAUSE NO. UIC-129
FEDERAL 1-20 WELL LOCATED :
IN SECTION 20, TOWNSHIP 30 SOUTH, :
RANGE 25 EAST, S.L.B. & M., :
SAN JUAN COUNTY, UTAH, AS A :
CLASS II INJECTION WELL :

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

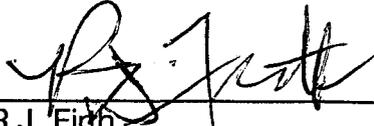
Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of West Hazmat Oil Field Services Inc. for administrative approval of the Federal 1-20 Well, located in Section 20, Township 30 South, Range 25 East, San Juan County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The proposed intervals to be selectively perforated for water disposal are from 9207'-9340' (Leadville Formation). The average injection pressure is estimated to be 500 psig or less with a maximum requested injection pressure of 500 psig. The estimated injection volume will be 2500 barrels water per day.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 14th day of May, 1992.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



R.J. Firth
Associate Director, Oil and Gas

HOI5/1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

2. TYPE OF COMPLETION:
NEW WELL WORK OVER DEEP EN PILE BACK DIFF. REVR. Other Water Disposal

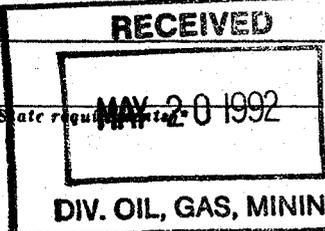
3. NAME OF OPERATOR
West Hazmat Oil Field Services

4. ADDRESS OF OPERATOR
P.O. Box 1657 Vernal, UT 84078

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1000' FNL, 1000' FEL

At top prod. interval reported below

At total depth



5. LEASE DESIGNATION AND SERIAL NO.

U-37668

6. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME CA

UT060P49-87C691

8. FARM OR LEASE NAME

Federal

9. WELL NO.

1-20

10. FIELD AND POOL OR WILDCAT

Little Valley

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

Sec. 20, T30S, R25E, SLBM

14. PERMIT NO. 43-037-30464 DATE ISSUED 9-19-78

12. COUNTY OR PARISH San Juan 13. STATE UTAH

15. DATE SPUNDED 6/3/80 16. DATE T.D. REACHED 10/30/80 17. DATE COMPL. (Ready to prod.) 3/14/81 18. ELEVATIONS (DF. RKB. RT, OR, ETC.)* 6767 RKB 19. ELEV. CASINGHEAD 6750'

20. TOTAL DEPTH. MD & TVD 9555 MD 21. PLUG. BACK T.D., MD & TVD 9346 MD 22. IF MULTIPLE COMPL., HOW MANY* → 23. INTERVALS DRILLED BY ALL ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S). OF THIS COMPLETION-- TOP, BOTTOM, NAME (MD AND TVD)*
9207' MD-9340' MD Mississippi - Leadville 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN R.A. Tracer Log 27. WAS WELL CORED NO
Acoustic Casing Inspection, Cement Bond Log, Cement Evaluation Log

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"		40'		3 1/2 yds	
13 3/8"	48#	1024'	17 1/2	900 sx.	
9 5/8"	36#, 40#, 43.5#	5178'	12 1/4	370 sx.	
5 1/2"	17#	9508'	8 1/2	1530 sx.	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 1/2"	4952'	9508	1530sx		2 7/8 Riteline	9041'	9018 Model D
5 1/2" Tieback	0'	4952'	865 sx				

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9207' to 9340'	182 shots	9391-9412	1500 gal. 7 1/2%, 5000 gal. 15% HCL
CIBP @ 9355		9328-9340	1500 gal. 7 1/2%, 5000 gal. 15% HCL
9391 to 9397 -	4 spf	9328-9340	5000 gal. 15% HCL & N ₂
	well diagram	0-1024	235 sx in 9 5/8"x13 3/8 Annulus

33. PRODUCTION
DATE FIRST PRODUCTION 1/8/81 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Flowing WELL STATUS (Producing or shut-in) Injecting Water from Producing Wells

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
NA	NA	NA	→	NA	NA	NA	NA
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
NA	0	→	NA	NA	NA	NA	

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

35. LIST OF ATTACHMENTS
Well Diagram

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED William A. Ryan TITLE Operations Manager DATE 5/11/92

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

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

RECEIVED
MAY 20 1992
DIV. OIL, GAS, MINING

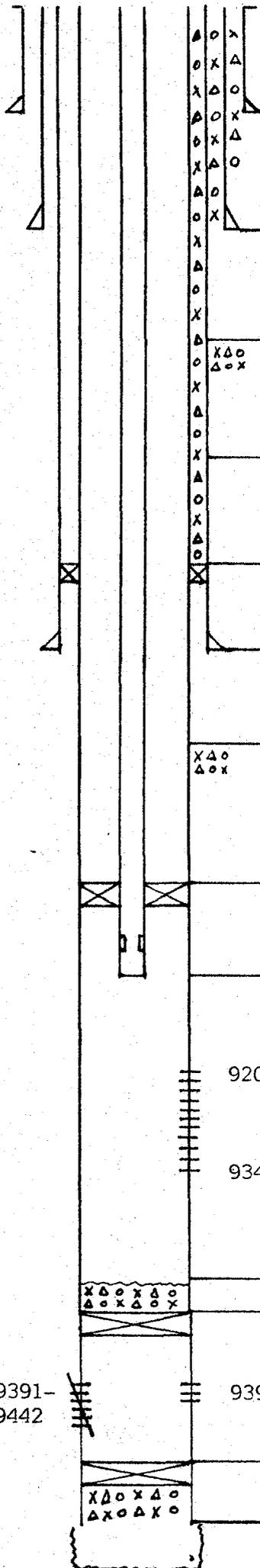


WELL COMPLETION WORKSHEET

Date
4/27/92

KB-
GL-

LEASE	Well No.	Location	County	State			
U-37668	1-20	Sec. 20, T30s, R25E	San Juan	UT			
WELLHEAD W.P.		ANTICIPATED SURFACE PRESSURE					
STRING	SIZE	DEPTH SET	GRADE	CPLG	WT.	BURST	
SURFACE	20	40					
PROD/INTERM	13 3/8	1024	J-55		48		
	9 5/8	5178	J-55		36,40	43.5	
LINER	5 1/2	4952-9508	J-55		17		
	5 1/2	4952	J-55		15.5		
TUBING	2 7/8	9018	J-55		6.5		



13 3/8 @ 1024

CMT top @ 2100

CMT to Surf w/Centralizers

Top of liner & tie back string. 4952

9 5/8 @ 5178

CMT top @ 7300+

Baker Model "D" @ 9018

End of tbg @ 9041

9207

182 shots

9340

CMT @ 9346

CIBP @ 9355

9391-
9442

9391-97

FC @ 9470

5 1/2 @ 9508

T.D. 9555



May 28, 1992

VIA FEDERAL EXPRESS

Mr. R. J. Firth
Associate Director, Oil and Gas
Division of Oil, Gas and Mining
Department of Natural Resources
State of Utah
Suite 350, 3 Triad Center
355 West North Temple
Salt Lake City, UT 84180-1203

RECEIVED

MAY 29 1992

DIVISION OF
OIL GAS & MINING

Dear Mr. Firth:

Re: Cause No. UIC-129
Class II Injection Well Application
San Juan County, Utah

*Federal 1-20
42-027-30464
Sec 20 205 25E*

Mesa has reviewed the information contained in the notice of proceeding dated May 14, 1991, to consider the application of West Hazmat Oil Field Services, Inc. for administrative approval of the Federal #1-20 well, located in Section 20, Township 30 South, Range 25 East, San Juan County, Utah, for conversion to a Class II injection well.

Mesa hereby serves notice of its objection to said injection well conversion on the basis that continued injection into the Federal #1-20 well would probably reduce the ultimate recovery of hydrocarbons from the Lisbon-Federal #2-21F gas well operated by Mesa, and located approximately 3,000 feet to the southeast of the Federal #1-20 well. Mesa's review of the well(s) logs indicates that both the Federal #1-20 proposed injection well and the Lisbon-Federal #2-21F gas well are completed in the Mississippian Leadville formation.

Very truly yours,


R. L. Goggins

te

Copies to: BLM - Moab, UT
West Hazmat Oil Field Services, Inc.

MESA LIMITED PARTNERSHIP

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX ID. # 87-0217663

Newspaper Agency Corporation
The Salt Lake Tribune DESERET NEWS

CUSTOMER'S COPY

LEGAL ADVERTISING INVOICE

RECEIVED
MAY 29 1992
DIVISION OF OIL GAS & MINING

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	BILLING DATE
DIV. OF OIL & GAS 355 W NO TEMPLE, #350 3 TRIAD CENTER SALT LAKE CITY, UT 84180	LE-5385340	05/26/92
FOR BILLING INFORMATION CALL (801) 237-2822		

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTION CAUSE NO. UIC-129BEFOR FOR DIV. OF OIL & GAS WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON MAY 26 1992
SIGNATURE [Signature]
DATE 05/26/92

NOTICE OF AGENCY ACTION CAUSE NO. UIC-129 BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF WEST HAZMAT OIL FIELD SERVICES INC. FOR ADMINISTRATIVE APPROVAL OF THE FEDERAL 1-20 WELL LOCATED IN SECTION 20, TOWNSHIP 30 SOUTH, RANGE 25 EAST, S.1.B. & M., SAN JUAN COUNTY, UTAH, AS A CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of West Hazmat Oil Field Services Inc. for administrative approval of the Federal 1-20 Well, located in Section 20, Township 30 South, Range 25 East, San Juan County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The purpose intervals to be selectively perforated for water disposal are from 9207'-9340' (Leadville Formation). The average injection pressure is estimated to be 500 psig or less with a maximum requested injection pressure of 500 psig. The estimated injection volume will be 2500 barrels water per day.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 14th day of May, 1992.
STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
/s/ R. J. Firth
Associate Director, Oil and Gas
51820030

ACCOUNT NAME		TELEPHONE	
AS		801-538-5340	
SCHEDULE		AD NUMBER	
		5L820130	
CAPTION		MISC. CHARGES	
NOTICE OF AGENCY ACTION CAUSE NO. UIC-129BEFOR		.00	
TIMES	RATE	AD CHARGE	
1 COLUMN	1	1.64	111.52
ON RECEIPT OF THIS INVOICE		TOTAL AMOUNT DUE	111.52

THANK YOU FOR USING LEGAL ADVERTISING.

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE

LEGAL ADVERTISING ADV06-NT

NUMBER	AD NUMBER	BILLING DATE	PAY THIS AMOUNT
340	5L820130	05/26/92	111.52

LEGAL ADVERTISING
PLEASE REMIT TO:
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MAKE CHECKS PAYABLE TO:
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DIV. OF OIL & GAS
355 W NO TEMPLE, #350
3 TRIAD CENTER
SALT LAKE CITY, UT 84180

07651470620130100000000000001115218762581731241211111111111111122263

AFFIDAVIT OF PUBLICATION

Public notice

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

IN THE MATTER OF THE APPLICATION OF WEST HAZMAT OIL FIELD SERVICES INC. FOR ADMINISTRATIVE APPROVAL OF THE FEDERAL 1-20 WELL LOCATED IN SECTION 20, TOWNSHIP 30 SOUTH, RANGE 25 EAST, S.L.B.&M., SAN JUAN COUNTY UTAH, AS A CLASS II INJECTION WELL

NOTICE OF AGENCY ACTION
CAUSE NO. UIC-129

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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DATED this 14th day of May, 1992.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
s/ R. J. Firth

Associate Director, Oil and Gas

Published June 3, 1992, in The San Juan Record, Monticello, Utah.

Gil FYF

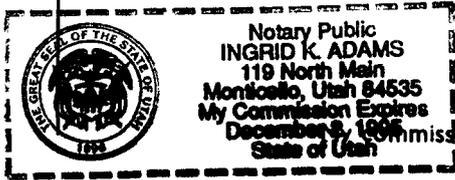
I, Joyce Martin, being duly sworn, depose and say that I am the publisher of **The San Juan Record**, a weekly newspaper of general circulation published at Monticello, Utah every Wednesday; that notice of Agency Action, Cause
No. UIC-129

a copy of which is hereunto attached, was published in the regular and entire issue of each number of said newspaper for a period of one issues, the first publication having been made on June 3, 1992. and the last publication having been made on _____.

Joyce A. Martin

Publisher

Subscribed and sworn to before me this 3rd day of June,
A.D. 1992.



Ingrid K Adams

Notary Public residing at Monticello, Utah

December 2, 1995

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

RECEIVED

OCT 05 1992

DIVISION OF
OIL GAS & MINING

5. Lease Designation and Serial No.
U-35931A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
UT 060P4987C691

8. Well Name and No.
1-20

9. API Well No.
43-037-30464

10. Field and Pool, or Exploratory Area

11. County or Parish, State
San Juan

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
West Hazmat

3. Address and Telephone No.
P.O. Box 1667, Vernal, UT 84078

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE/NE Sec. 20, T30S, R25E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	TESTING EXTENSION
	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)*

Operator respectfully requests a 120 day extension of time to determine conductivity and permeability. This extension request is due to a lack of water presently available for testing.

If you require additional information, please contact:

William Ryan
ROCKY MOUNTAIN CONSULTING
350 South, 800 East
Vernal, UT 84078
(801) 789-0968

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 10-7-92
BY: JAM Matthews

14. I hereby certify that the foregoing is true and correct
Signed William Ryan Title OPERATIONS MANAGER Date 10/2/92
(This space for Federal or State office use)

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



TRANSMITTAL

Date: Aug 23, 1995

FAX Number: 801-359-3940

TO: Lisha Cordova

COMPANY: State of Utah

FROM: Patt Walker *Patt*

MESSAGE

Necessary papers re:
Billings 1-3183/WTDW

Please advise if you need
additional info.

Number of pages (with cover) 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

RECEIVED
SUBMIT IN TRIPPLICATE
(Other instructions on reverse)
AUG 30 1995
OIL, GAS & MINING

LEASE DESIGNATION AND SERIAL NO.
Federal 1-20

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> Salt Water Injection Well		7. UNIT AGREEMENT NAME H-37668
2. NAME OF OPERATOR West Hazmat Oil Field Services		8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR P.O. Box 1667, Vernal, UT 84078		9. WELL NO. 1-20
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		10. FIELD AND POOL, OR WILDCAT Little Valley
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20, T30S, R 25E
15. ELEVATIONS (Show whether DF, RT, GR, etc.)		12. COUNTY OR PARISH San Juan
		13. STATE 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"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) _____	

(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.)*

Please note name change of operator from
West Hazmat Oil Field Services, Inc. to Rooney Operating
Company.

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE Vice President DATE 8-25-95
(This space for Federal or State office use)

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

SS: Form D-4 (Rev. 8/92)
Submit in Duplicate
Filing Fee: \$25.00

This document must be typewritten

MAIL TO:
Colorado Secretary of State
Corporations Office
1560 Broadway, Suite 200
Denver, Colorado 80202
(303) 894-2251

FILED COPY

CHANGE OF NAME

ARTICLES OF AMENDMENT
to the
ARTICLES OF INCORPORATION

94 069065 \$25.00
SOS 06-17-94 08:30

Pursuant to the provisions of the Colorado Corporation Code, the undersigned corporation adopts the following Articles of Amendments to its Articles of Incorporation:

FIRST: The name of the corporation is (note 1) West Hazmat Oil Field Services, Inc.

SECOND: The following amendment to the Articles of Incorporation was adopted on June 3,
1994, as prescribed by the Colorado Corporation Code, in the manner marked with an X below:

- Such amendment was adopted by the board of directors where no shares have been issued.
- Such amendment was adopted by a vote of the shareholders. The number of shares voted for the amendment was sufficient for approval.

Article I of the Articles of Incorporation of West Hazmat Oil Field Services, Inc. is amended by deleting the name "West Hazmat Oil Field Services, Inc." and by substituting the name "Rooney Operating Company" therefore.

THIRD: The manner, if not set forth in such amendment, in which any exchange, reclassification, or cancellation of issued shares provided for in the amendment shall be effected, is as follows: None

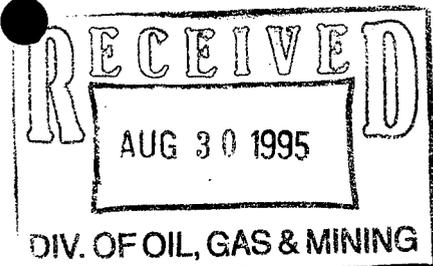
FOURTH: The manner in which such amendment effects a change in the amount of stated capital, and the amount of stated capital as changed by such amendment, are as follows: None

West Hazmat Oil Field Services, Inc. (Note 1)
 By [Signature] President
 and [Signature] Secretary (Note 2)
 _____ (Note 3)
 Director

NOTES: 1. Exact corporate name of corporation adopting the Articles of Amendments. (If this is a change of name amendment the name before this amendment is filed)
 2. Signatures and titles of officers signing for the corporation.
 3. Where no shares have been issued, signature of a director.



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Federal 1-20
Field or Unit name: Little Valley API no. U-37668
Well location: QQ section 20 township 30S range 25E county San Juan
Effective Date of Transfer: August 1, 1995

CURRENT OPERATOR

Transfer approved by:

Name Steve Rooney Company West Hazmat Oil Field Services
Signature [Signature] Address P.O. Box 1667
Title Vice President Vernal, UT 84078
Date 8-25-95 Phone (801) 789-9584

Comments:

NEW OPERATOR

Transfer approved by:

Name Steve Rooney Company Rooney Operating Company
Signature [Signature] Address P.O. Box 1667
Title Vice President Vernal, UT 84078
Date 8-25-95 Phone (801) 789-9584

Comments:

Name change only.

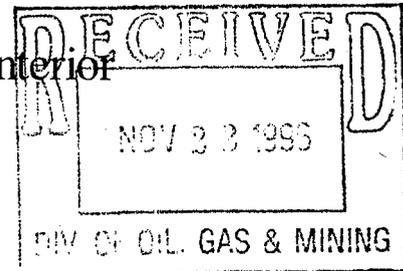
(State use only)

Transfer approved by [Signature] Title Executive Director
Approval Date 11-25-96



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



In Reply Refer To
3106
U-37668
(UT-932)

NOV 21 1996

NOTICE

Rooney Operating Company	:	Oil and Gas
P.O. Box 1667	:	U-37668
Vernal, Utah 84078	:	

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of West Hazmat Oil Field Services, Inc. to Rooney Operating Company.

This change has been noted in case file U-37668.

For our purposes, the name change is recognized effective June 17, 1994, the Secretary of State's approval date.

ROBERT LOPEZ

Group Leader,
Minerals Adjudication Group

cc: Moab District Office
MMS-DMD, MS 3113, P.O. Box 5860, Denver, CO 80217
State of Utah, Division of Oil, Gas and Mining, ATTN: Lisha Cordova, 1594 West North Temple,
P.O. Box 145801, Salt Lake City, UT 84114-5801

OPERATOR CHANGE WORKSHEET

Routing	
1-LEC ✓	6-LEC ✓
2-GDA ✓	7-KDR ✓
3-DTS ✓	8-SJ ✓
4-VLD ✓	9-FILE ✓
5-RJF ✓	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 6-17-94

TO: (new operator) ROONEY OPERATING CO
 (address) 12201 E ARAPAHOE RD #C10
ENGLEWOOD CO 80112
STEVE ROONEY
 Phone: (303) 792-2535
 Account no. NO085

FROM: (old operator) WEST HAZMAT OIL FIELD SERV
 (address) PO BOX 1667
VERNAL UT 84078
STEVE ROONEY
 Phone: (801) 789-9584
 Account no. N9190

WELL(S) attach additional page if needed:

*WDW

Name: *FEDERAL 1-20/LDLL	API: 43-037-30464	Entity: 2560	S 20	T 30S	R 25E	Lease: U37668
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- Yec 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). (file'd 8-23-95)
- N/A 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- Yec 4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- Yec 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. (11-22-96) * Updated DBASE/Quattro WIC Programs.
- Yec 6. Cardex file has been updated for each well listed above. (11-22-96)
- Yec 7. Well file labels have been updated for each well listed above. (11-22-96)
- Yec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (11-22-96)
- Yec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY) * BLM/Moab "Right-of-Way" Bond in place!

- N/A Yes 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no) , as of today's date . If yes, division response was made to this request by letter dated .

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A DCS 11/25/96 1. Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.

FILMING

- Yes 1. All attachments to this form have been microfilmed. Today's date: 12-27-90

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

950830 Reg. UIC F5 (Rec'd 9-1-95)
Ref. to BLM/SL
9/11/22 Referred to BLM/SL 8/95-11/96.
9/11/22 BLM/SL Appv. 11-21-96 eff. 6-17-94.



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

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

August 19, 1997

Rooney Operating Company
12201 East Arapahoe Road, #C10
Englewood, Colorado 80112

Re: Pressure Test for Mechanical Integrity, Federal 1-20
Injection Well, Sec. 20, T. 30 S., R. 25 E., San Juan
County, Utah

Gentlemen:

The Underground Injection Control Program which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five year period beginning October 1982. Our records indicate the above referenced wells are due for testing. Please make arrangements and ready the wells for testing during the week of September 8-12, 1997 as outlined below:

1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to assist in opening valves etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.

Page 2

Rooney Operating Company

August 19, 1997

3. If mechanical difficulties or workover operations make it impossible for the wells to be tested on this date the tests may be rescheduled.
4. Company personnel should meet DOGM representatives at the field office or other location as negotiated.
5. All bradenhead valves with exception of the tubing on the injection wells must be shut-in 24 hours prior to testing.

Please contact Brad Hill at (801)538-5315 to arrange a meeting time and place or negotiate a different date if this one is unacceptable.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan Jarvis". The signature is written in a cursive style with a large, circular initial "D".

Dan Jarvis
UIC Geologist

lwp

STATE OF UTAH
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

INJECTION WELL - PRESSURE TEST

Test Date: <u>9/10/97</u>	Well Owner/Operator: <u>ROONEY OPERATING CO.</u>
Disposal Well: <u>X</u>	Enhanced Recovery Well: _____ Other: _____
API No.: <u>43-037-30064</u>	Well Name/Number: <u>FEDERAL 1-20</u>
Section: <u>20</u>	Township: <u>30 S.</u> Range: <u>25 E.</u>

Initial Conditions:

Tubing - Rate: 0 Pressure: 0 psi

Casing/Tubing Annulus - Pressure: 275 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u>	<u>0</u>
5	<u>1000</u>	<u>0</u>
10	<u>1000</u>	<u>0</u>
15	<u>1000</u>	<u>0</u>
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass Fail

Conditions After Test:

Tubing Pressure: 0 psi

Casing/Tubing Annulus Pressure: 375 psi

REMARKS:

ADLER HOT OIL SERVICE, JORNAL, UTAH
PUMPED 53 BBLs TO FILL CASING

Mick Condit
Operator Representative

[Signature]
DOGDM Witness

Stonegate Resources, L.L.C.

R. Heggie Wilson
4994 E. Meadows Dr.
Park City, Utah 84098
(435) 647-9712
Fax 647-9713

Eric Noblitt
710 23¹/₄ Road
Grand Junction, Colorado 81505
(970) 245-3951
Fax 241-5730

May 15, 1999

Ms. Lisha Cordova
State of Utah
Division of Oil, Gas and Mining
Box 145801
Salt Lake City, 84114-5801

Re: Transfer of Operator
BLM ROW UTU-68788
Federal #1-20 Water Disposal Well
Township 30 South, Range 25 East; SLB&M
Section 20: NE/4NE/4
San Juan County, Utah

Dear Lisha:

Enclosed in triplicate please find State Sundry Notice form 9 and UIC form 5 transferring operations of the Federal #1-20 disposal well, from Rooney Operating Company to Wasatch Oil Gas Corporation. The BLM has been sent a transfer of Right-of-Way UTU-68788.

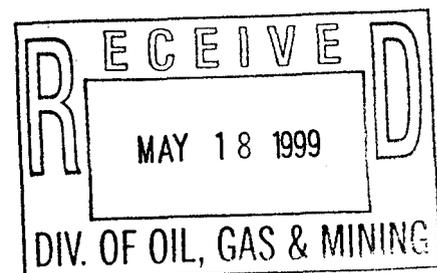
Please do not hesitate to contact me if you should have any questions regarding this matter and forward the approved forms to my attention.

Sincerely,

Stonegate Resources, LLC.



R. Heggie Wilson, Agent
Wasatch Oil & Gas Corporation



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: Water Disposal		5. Lease Designation and Serial Number: RLM ROW UTH-68788
2. Name of Operator: Wasatch Oil & Gas Corporation		6. If Indian, Alutotse or Tribe Name:
3. Address and Telephone Number: P.O. Box 699, Farmington, UT 84025-0699 (801) 451-9200		7. Unit Agreement Name:
4. Location of Well Footages: 1000' FNL, 1000' FEL CQ, Sec., T., R., M.: NENE, Sec. 20, T30S-R25E, SLB		8. Well Name and Number: Federal #1-20
		9. API Well Number: 43-037-30464
		10. Field and Pool, or Wildcat: Little Valley
		County: San Juan
		State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input checked="" type="checkbox"/> Other <u>Change of Operator</u>	<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Other _____
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. * Must be accompanied by a cement verification report.

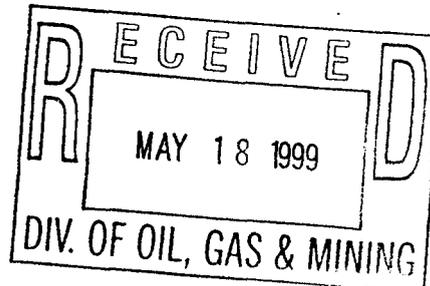
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective with the date signed below, Wasatch Oil & Gas succeeds Rooney Operating Company as operator and owner of the subject well.

Rooney Operating Company
 BY: [Signature]
 Title: President

13. Name & Signature: [Signature] Title: President Date: 5/14/99
 Todd Cusick

(This space for State use only)



TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Federal #1-20
Field or Unit name: Little Valley API no. 43-037-30464
Well location: QQ NENE section 20 township 30S range 25E county San Juan
Effective Date of Transfer: ^{Mo.} ~~January~~ 1, 1999

CURRENT OPERATOR

Transfer approved by:

Name ^{NORMAN} ~~Steve~~ Rooney Company Rooney Operating Company

Signature *Norman Rooney* Address P.O. Box 1667

Title *President* Vernal, UT 84078

Date April, 1999 Phone ((435) 789-9584

Comments:

NEW OPERATOR

Transfer approved by:

Name Todd Cusick Company Wasatch Oil & Gas Corp.

Signature *Todd Cusick* Address P.O. Box 699

Title President Farmington, UT 84025-0699

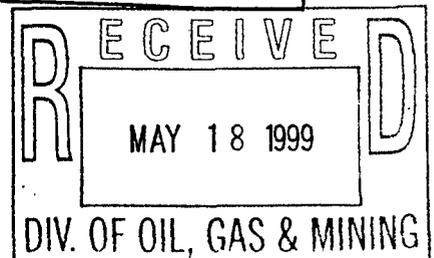
Date ~~April~~ 5/14, 1999 Phone (801) 451-9200

Comments:

(State use only)

Transfer approved by *A. Hunt* Title *Tech. Services Manager*

Approval Date 7-13-99





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Monticello Field Office
P. O. Box 7
Monticello, Utah 84535

UTU-68788
(UT-090)

DECISION

JUL - 1 1999

Obligator:

Stonegate Resources, L.L.C.
4994 E. Meadows Drive
Park City, Utah 84098

Right-f-Way UTU-68788

Financial Institution:

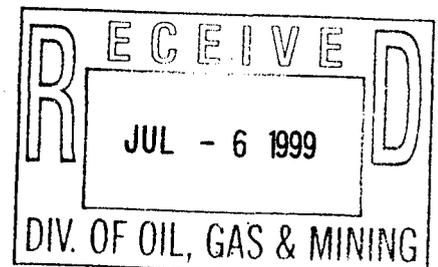
Underwriters Indemnity
8 Greenway Plaza, Suite 400
Houston, Texas 77046

Surety Bond Accepted for UTU-68788

On June 7, 1999, this office received a Surety Bond in the amount of \$20,000 for coverage of all operations conducted by or on behalf of the obligator on right-of-way UTU-68788. The bond has been examined and found acceptable, therefore the bond is accepted effective June 7, 1999.

The bond will be retained by the Bureau of Land Management (BLM) until all terms and conditions of the right-of-way holder have been fulfilled. Following a determination that the right-of-way is no longer needed and the satisfactory completion of all terms and conditions of the grant have been met, the bond will be returned to the above named financial institution.

We will release the Surety Bond held by the BLM for Rooney Operating Company for this right-of-way once we have written assurance, signed by an authorized officer of Stonegate Resources, stating that they accept responsibility for the items of non-compliance on the facility authorized under this right-of-way to Rooney Operating.



OPERATOR CHANGE WORKSHEET

Routing:	
1-KDR ✓	6-KAS ✓
2-GLH ✓	7-SJ
3-JRB ✓	8-FILE
4-CDW ✓	
5-KDR ✓	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 05-14-99

TO: (new operator)	<u>WASATCH OIL & GAS CORP.</u>	FROM: (old operator)	<u>ROONEY OPERATING COMPANY</u>
(address)	<u>P.O. BOX 699</u>	(address)	<u>12201 E ARAPAHOE RD #C10</u>
	<u>FARMINGTON, UT 84025</u>		<u>ENGLEWOOD, CO 80112</u>
Phone:	<u>(801)451-9200</u>	Phone:	<u></u>
Account no.	<u>N4520</u>	Account no.	<u>N0085</u>

WELL(S) attach additional page if needed:

Name: <u>FEDERAL 1-20 (WDW)</u>	API: <u>43-037-30464</u>	Entity: <u>2560</u>	S <u>20</u>	T <u>30S</u>	R <u>25E</u>	Lease: <u>UTU-68788</u>
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- KDR 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(rec'd 5.18.99)*
- KDR 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec'd 5.18.99)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) _____ If yes, show company file number: _____
- KDR 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below. *(rec'd 7.6.99)*
- KDR 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(7.9.99)*
- KDR 6. **Cardex** file has been updated for each well listed above.
- KDR 7. Well **file labels** have been updated for each well listed above. **new filing system*
- KDR 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(7.9.99)*
- KDR 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**

ENTITY REVIEW

- 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) yes If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operator's bond files.
- 3. The FORMER operator has requested a release of liability from their bond (yes/no) _____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- 1. Copies of documents have been sent on _____ to _____ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 ____, of their responsibility to notify all interest owners of this change.

FILMING

- 1. All attachments to this form have been microfilmed. Today's date: 9.16.99.

FILING

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS



April 24, 2002

Mr. Jim Thompson
State of Utah
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-5801

Re: Transfer Title to Wasatch Oil & Gas, LLC.

Dear Mr. Thompson:

Enclosed please find an Assignment and Bill of Sale from Wasatch Oil & Gas Corporation to Wasatch Oil & Gas, LLC, effective July 1, 2000.

Please do not hesitate to contact me at (435) 647-9712 regarding this transfer.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Heggie Wilson", with a long horizontal flourish extending to the right.

R. Heggie Wilson
Agent

RECEIVED

APR 25 2002

DIVISION OF
OIL, GAS AND MINING

ASSIGNMENT AND BILL OF SALE

FOR AND CONSIDERATION OF Ten and No/100 Dollars (\$10.00) and other good and valuable considerations, in hand paid to Wasatch Oil & Gas Corporation, ("ASSIGNOR"), by WASATCH OIL & GAS LLC, P.O. Box 699, Farmington, Utah, 84025-0699, ("ASSIGNEE") the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign and transfer unto Assignee all of the Assignor's right, title and interest in and to the following properties situated in Duchesne and Carbon Counties, Utah (hereinafter called the "Interest"):

- (a) The oil, gas and other mineral leasehold interests described in Exhibit "A" attached hereto and made a part hereof, insofar as such cover and affect the lands described in Exhibit "A", (hereinafter called the "Leases") together with Assignor's interest in any pooled, communitized, or unitized acreage derived by virtue of Assignor's ownership of the leases;
- (b) The wells described on Exhibit "A", equipment and facilities located on the Leases and used in the operation of the Leases, including, but not limited to pumps, well equipment (surface and subsurface), saltwater disposal wells, water wells, lines and facilities, compressors, compressor stations, dehydration facilities, treating facilities, pipeline gathering lines, flow lines, transportation lines (including long lines and laterals), valves, meters, separators, tanks, tank batteries and other fixtures but expressly excluding tools, vehicles, or other rolling stock, communication equipment, leased equipment, computer and software;
- (c) Oil, condensate, natural gas, and natural gas liquids produced after the Effective Date of this Assignment and Bill of Sale, including "line fill" attributable to the Interest;
- (d) To the extent transferable, all contracts and agreements concerning the Interest, including, but not limited to, unit agreements, pooling agreements, areas of mutual interest, farmout agreements, farmin agreements, saltwater disposal agreements, water injection agreements, road use agreements, operating agreements, gas transportation and processing agreements, and gas balancing agreements (excluding any spot sales contracts, storage or warehouse agreements, supplier contracts, insurance contracts, and construction agreements);
- (e) To the extent transferable, all surface use agreements, right-of-way, licenses, authorizations, permits, and similar rights and interests applicable to, or used or useful in connection with, any or all of the Interest;
- (f) To the extent transferable, all files and records of Assignor relating to the Interests including land, well, lease, geological, geophysical and accounting files and records;
- (g) All rights of Assignor to reassignments of interests in the Leases.

RECEIVED

APR 25 2002

DIVISION OF
OIL, GAS AND MINING

Assignor and Assignee, in consideration of the mutual benefits to be derived hereunder and, by their acceptance hereof, signify their understanding and agreement to the following terms and conditions:

- 1. Assignee hereby agrees that it has inspected the Lease(s), well(s), personal property and equipment assigned and conveyed herein and that it accepts the same in its present

condition. Assignee agrees to assume all responsibility for said well(s), the casing, leasehold equipment, plugging requirements or exceptions thereto, including bonding requirements, in and on said well(s), and all other personal property used on or in connection therewith, from and after the Effective Date of this Assignment and Bill of Sale. Assignee agrees to protect, defend, indemnify and hold Assignor and its employees free and harmless from and against any and all costs, expenses, claims, demands and causes of action of every kind and character arising out of, incident to, or in connection with Assignee's ownership of the above described lease(s), lands, well(s), casing, leasehold equipment and other personal property, or Assignee's or other parties' operations on said lease(s) and said lands, from and after the Effective Date of this Assignment and Bill of Sale.

2. All claims, liabilities and causes of action, including those of an environmental nature, of whatever source or cause which arise out of Assignor's ownership of the Interest prior to the Effective Date, regardless of when actually instituted, shall be borne by Assignor by Assignor, and Assignor agrees to save, protect, indemnify and hold harmless for any liability associated with its ownership thereof. All claims, liabilities and causes of action of whatever source or cause which arise out of ownership of the Interest after the Effective Date, shall be borne by, and Assignee agrees to save, protect, indemnify and hold Assignor harmless therefrom.
3. Assignee hereby assumes all obligations and duties imposed upon Assignor pursuant to the terms of the lease(s), contracts, agreements, licenses, easements and right-of-ways to which Assignor's interest is subject, but only insofar as they pertain to the interest hereby assigned and transferred.

TO HAVE AND TO HOLD the Interest unto the Assignee and its successors and assigns forever.

Executed this 27th day of October, but effective July 1, 2000.

ASSIGNOR

Wasatch Oil & Gas Corporation

By: Todd Cusick
Todd Cusick, President

ASSIGNEE

Wasatch Oil & Gas LLC

By: Todd Cusick
Todd Cusick, President

ACKNOWLEDGEMENT

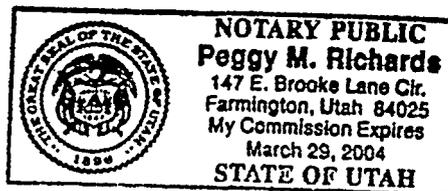
STATE OF UTAH }
COUNTY OF DAVIS }

The foregoing instrument as acknowledged before me on this 27th day of October, 2000, by Todd Cusick as President of Wasatch Oil & Gas Corporation. on behalf of said Corporation.

WITNESS my hand and official seal.

My Commission Expires:
3/29/04

Peggy M. Richards
Notary Public



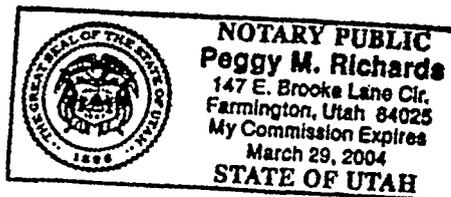
STATE OF UTAH }
COUNTY OF DAVIS }

The foregoing instrument as acknowledged before me on this 27th day of October, 1999, by Todd Cusick as President of Wasatch Oil & Gas LLC on behalf of said Company. 2000

WITNESS my hand and official seal.

My Commission Expires:
3/29/04

Peggy M. Richards
Notary Public



TRANSFER OF AUTHORITY TO INJECT

Well Name and Number <u>West Hazmat Fed 1-20</u>	API Number <u>U-37668</u>
Location of Well Footage : <u>9207-9397</u> County : <u>San Juan</u>	Field or Unit Name <u>Little Valley</u>
QQ, Section, Township, Range: <u>NE NE 20 30S 25E</u> State : <u>UTAH</u>	Lease Designation and Number <u>43-037-30464</u>

EFFECTIVE DATE OF TRANSFER: July 1, 2000

CURRENT OPERATOR

Company: <u>Wasatch Oil & Gas Corporation</u>	Name: <u>Brian Watts</u>
Address: <u>P.O. Box 699</u>	Signature: <u>Brian Watts</u>
city <u>Farmington</u> state <u>UT</u> zip <u>84025</u>	Title: <u>CFO</u>
Phone: <u>801-451-9200</u>	Date: <u>6/13/02</u>
Comments:	

NEW OPERATOR

Company: <u>Wasatch Oil & Gas LLC</u>	Name: <u>Brian Watts</u>
Address: <u>P.O. Box 699</u>	Signature: <u>Brian Watts</u>
city <u>Farmington</u> state <u>UT</u> zip <u>84025</u>	Title: <u>CFO</u>
Phone: <u>801-451-9200</u>	Date: <u>6/13/02</u>
Comments:	

(This space for State use only)

Transfer approved by: [Signature]
Title: Public Services Manager

Approval Date: 6-17-02

Comments:

RECEIVED

JUN 17 2002

DIVISION OF
OIL, GAS AND MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH <i>[initials]</i>
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **07-01-2000**

FROM: (Old Operator):	TO: (New Operator):
WASATCH OIL & GAS CORPORATION	WASATCH OIL & GAS LLC
Address: P O BOX 699	Address: P O BOX 699
FARMINGTON, UT 84025-0699	FARMINGTON, UT 84025-0699
Phone: 1-(801)-451-9200	Phone: 1-(801)-451-9200
Account No. N4520	Account No. N2095

CA No. Unit:

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 1-20	20-30S-25E	43-037-30464	99998	FEDERAL	SWD	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/17/2002
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/17/2002
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/17/2002
- Is the new operator registered in the State of Utah: YES Business Number: 4768455-0160
- If **NO**, the operator was contacted on: N/A
- (R649-9-2) Waste Management Plan received on: IN PLACE

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: N/A

7. Federal and Indian Units:

The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. Federal and Indian Communization Agreements ("CA"):

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 06/18/2002

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 06/17/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 06/17/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UIB0007998

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

BEFORE THE BOARD OF OIL, GAS AND MINING

DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH

**IN THE MATTER OF THE)
APPLICATION OF WEST HAZMAT)
OIL FIELD SERVICES, INC., FOR)
ADMINISTRATIVE APPROVAL OF)
THE FEDERAL 1-20 WELL LOCATED)
IN SECTION 20, TOWNSHIP 30)
SOUTH, RANGE 25 EAST, S.L.B.&M.)
SAN JUAN COUNTY, UTAH, AS A)
CLASS II INJECTION WELL)**

**FINDINGS OF FACT,
CONCLUSIONS OF LAW, AND
ORDER GRANTING APPROVAL OF
FEDERAL 1-20 WELL AS A CLASS II
INJECTION WELL**

**Docket No. 92-033
Cause No. UIC-129**

43 037 30464

THIS CAUSE came on for hearing before the Utah Board of Oil, Gas and Mining (the "Board") on Wednesday, June 24, 1992, at the hour of 10:00 a.m. Members of the Board present at the hearing were James W. Carter, Chairman, Judy F. Lever, Jay L. Christensen, E. Steele McIntyre, David D. Lauriski, and Raymond Murray. Board member Kent G. Stringham was recused and did not participate in this cause. Ronald J. Firth, Associate Director, Oil and Gas, Frank R. Matthews, Petroleum Engineer, and Gilbert Hunt, UIC Manager, were present for the Division of Oil, Gas and Mining (the "Division"). The Division was represented by William R. Richards, Assistant Attorney General. Gregory P. Williams and Thomas W. Clawson of Van Cott, Bagley, Cornwall and McCarthy represented applicant West Hazmat Oil Field Services, Inc. ("West Hazmat") and appearing as witnesses for West Hazmat were Norman L. Rooney, Chief Executive Officer, West Hazmat Companies, Inc., Steve Rooney, Vice President, West Hazmat Oil Field Services, Inc., and

William A. Ryan, consulting petroleum engineer. Thomas W. Bachtell of Pruitt, Gushee and Bachtell represented protestant Mesa Inc. ("Mesa") and appearing as witnesses for Mesa were John E. Janbaz, Geologist, and Ronald C. Nutt, Production Engineer.

The Board, having considered the testimony adduced and the exhibits received at the hearing, being fully advised, and good cause appearing, hereby makes the following Findings of Fact, Conclusions of Law, and Order:

FINDINGS OF FACT

1. On May 11, 1992, West Hazmat submitted an Application for Injection Well (Form No. DOGM-UIC-1) (the "Application"), in accordance with the applicable rules and regulations of the Board, for administrative approval to convert the Federal 1-20 Well in Section 20, Township 30 South, Range 25 East, S.L.B.&M., San Juan County, Utah (the "Disposal Well") to a Class II injection well for the purpose of water disposal.

2. West Hazmat gave notice of the Application pursuant to the requirements of Utah Administrative Code ("U.A.C.") Rules R649-5-1 and R649-5-3, and provided a copy of the Application to all operators, owners, and surface owners within a one-half mile radius of the Disposal Well as required by U.A.C. Rule R649-5-2. Notice was duly published as required by U.A.C. Rule R649-5-3.

3. On or about May 28, 1992, Mesa, formerly known as Mesa Limited Partnership, filed a protest and objection to the Application, stating that:

continued injection into the Federal #1-20 well would probably reduce the ultimate recovery of hydrocarbons from the Lisbon-Federal #2-21F gas well operated by Mesa, and located

approximately 3,000 feet to the southeast of the Federal #1-20 well. Mesa's review of the well(s) logs indicates that both the Federal #1-20 proposed injection well and the Lisbon-Federal #2-21F gas well are completed in the Mississippian Leadville formation.

4. West Hazmat is an environmentally responsible and otherwise reputable oil field services company now operating Class II injection wells, including a well in Utah, and is capable of operating the Disposal Well as a Class II injection well.

5. There presently exists a need for produced-water disposal facilities in the Moab-LaSal area in Grand and San Juan Counties, Utah to service producing oil and gas wells in that vicinity. Previously, produced-water from those wells was disposed of at the Keystone Disposal Pit, but that pit has been closed by order of the Board. At present, the nearest existing disposal pit is the Cisco Pit which is located approximately 90 miles from the Disposal Well.

6. The only well whose surface location is within a one-half mile radius of the Disposal Well is the Spiller Canyon State #1 Well, located in Section 16, Township 30 South, Range 25 East, S.L.B.&M., San Juan County, Utah (the "Spiller Well"), which has been plugged and abandoned in accordance with the applicable rules and regulations of the Board. That well does not provide a conduit that would enable fluids to migrate up or down the wellbore and enter improper intervals.

7. The surface location of the Disposal Well is located approximately 3,000 feet from the Lisbon Federal 2-21F Well, operated by Mesa, and located in Section 21, Township 30 South, Range 25 East, S.L.B.&M., San Juan County, Utah. The Lisbon

Federal 2-21F Well (the "Mesa Well") was shut-in on or about May 1992, due to the closure of the nearby Rocky Mountain Natural Gas Company gas processing plant which was previously used to remove or strip the sulfur from the hydrocarbons produced from the Mesa Well.

8. West Hazmat proposes to inject produced-water into underground intervals within the Mississippian Leadville Formation which are vertically separated from the nearest known source of drinking water by approximately 7,000 feet of salt in the overlying Pennsylvanian Paradox Formation, as demonstrated by well log data from the Disposal Well, the Spiller Well, and the Mesa Well.

9. The underground intervals within the Mississippian Leadville Formation into which West Hazmat proposes to inject produced-water are separate from and not in communication with the intervals in the Mesa Well from which Mesa produces oil, gas, and water as demonstrated by well log data and reservoir pressure data derived from drill stem tests in both the Disposal Well and the Mesa Well.

10. Because the productive intervals in the Mississippian Leadville Formation in the Mesa Well are separate from and not in communication with the intervals into which West Hazmat proposes to inject produced-water, the recovery of hydrocarbons from the Mesa Well will not be adversely affected by the use of the Disposal Well for water disposal in the manner proposed by West Hazmat.

11. The use of the Disposal Well for water disposal in the manner proposed by West Hazmat will cause no adverse effect upon oil, gas, or other resources, and will cause no adverse effect upon groundwater.

12. All technical requirements for the approval of the Disposal Well as a Class II injection well have been met.

13. Based on the production history of the Mesa Well and that well's current gas-to-liquid ratio, if the Mesa Well remains shut-in for an extended period and the gas-to-liquid ratio decreases by a factor of three as it did during an approximate two-month shut-in period in 1987, it is unlikely that the Mesa Well will be returned to production and the remaining reserves recoverable from the Mesa Well will be lost due to premature abandonment.

14. The vote by the Board in this cause was four votes in favor of approving the Application as submitted and two votes opposed, with Board members Carter, Christensen, McIntyre, and Lauriski voting in favor of approval and Board members Murray and Lever voting not to approve the Application.

CONCLUSIONS OF LAW

15. Due and regular notice of the time, place, and purpose of the June 24, 1992, hearing was given to all interested parties and all owners or operators and surface owners within one-half mile of the Disposal Well in the form and manner and within the time required by law and the applicable rules and regulations of the Board. Due and regular notice of the filing of the Application for Injection Well (Form No. DOGM-UIC-1)

was given to all interested parties and to all owners or operators and surface owners within one-half mile of the Disposal Well, in the form and manner and within the time required by law and the rules and regulations of the Board.

16. The Board has jurisdiction over all matters covered by the Application for Injection Well (Form No. DOGM-UIC-1) and the protest of Mesa herein pursuant to Section 40-6-5, Utah Code Annotated, and has power and authority to make and promulgate the Order herein set forth.

17. The use of the Disposal Well for water disposal in the manner proposed by West Hazmat is reasonably necessary to fulfill the purposes of Chapter 6, Title 40, Utah Code Annotated.

18. West Hazmat's application meets all applicable statutory and administrative requirements for the approval of the Disposal Well as a Class II injection well.

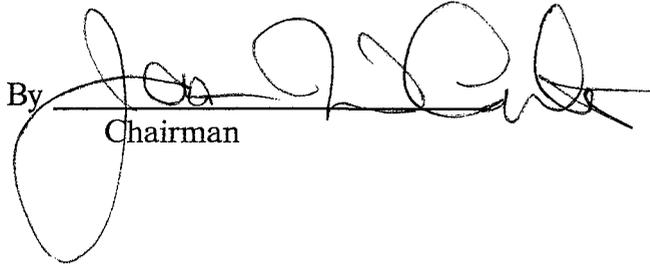
19. The recovery of hydrocarbons from the Mesa Well will not be adversely affected by the use of the Disposal Well for water disposal in the manner proposed by West Hazmat.

ORDER

Based upon the Findings of Fact and Conclusions of Law set forth above, the Board hereby ORDERS that the Application of West Hazmat Oil Field Services, Inc. for approval of the Federal 1-20 Well as a Class II Injection Well is approved, and the protest and objection of Mesa Inc. is denied.

DATED this 2nd day of July, 1992.

BOARD OF OIL, GAS AND MINING

By 
Chairman

CERTIFICATE OF SERVICE

I hereby certify that I caused a draft copy of the within and foregoing ORDER to be telecopied, the 1st day of July, 1992, to the following, and that I caused a true and correct copy of the foregoing ORDER to be hand-delivered, this 8th day of July, 1992 to the following:

Thomas W. Bachtell, Esq.
Robert G. Pruitt, Jr., Esq.
Pruitt, Gushee & Bachtell
Suite 1850 Beneficial Life Tower
Salt Lake City, Utah 84111

I further certify that I caused a true and correct copy of the within and foregoing ORDER to be mailed, certified mail, return receipt requested, this 8th day of July, 1992, to the following:

Bureau of Land Management
San Juan Resource Area
P. O. Box 7
Monticello, Utah 84535

Bureau of Land Management
P. O. Box 970
Moab, Utah 84532

CNG Producing Co.
1459 Poydras St.
New Orleans, Louisiana 70112

Grand County Commission
125 East Center
Moab, Utah 84532



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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
BLMR-O-WUTU 68788

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL OIL WELL GAS WELL OTHER Water Disposal

8. WELL NAME and NUMBER:
Federal # 1-20

2. NAME OF OPERATOR:
T.E.S. Water Injection, LLC

9. API NUMBER:
4303730464

3. ADDRESS OF OPERATOR:
P.O. Box 5471 CITY Farmington STATE NM ZIP 87401

PHONE NUMBER:
858 401-3985

10. FIELD AND POOL, OR WLDCA:
Little Valley

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1,000 FNL, 1,000' FEL

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NENE 20 30S 25E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>09/16/2008</u>	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Acidize sweep.

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 09-17-08
By: [Signature]

NAME (PLEASE PRINT) Tsuyoshi Okano

TITLE Manager

SIGNATURE [Signature]

DATE 9-15-08

(This space for State use only)

COPY SENT TO OPERATOR

Date: 9.23.2008

Initials: KS

(5/2000)

(See Instructions on Reverse Side)

RECEIVED

SEP 15 2008

DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
BLM R-O-W UTU-68788

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
OIL WELL GAS WELL OTHER Injection Well (Water Disposal)

8. WELL NAME and NUMBER:
Federal #1-20

2. NAME OF OPERATOR:
T.E.S. Water Injection, LLC

9. API NUMBER:
4303730464

3. ADDRESS OF OPERATOR:
P.O. Box 5471 city Farmington STATE NM ZIP 87499 PHONE NUMBER: (858) 401-3985

10. FIELD AND POOL, OR WILDCAT:
Little Valley

4. LOCATION OF WELL
FOOTAGES AT SURFACE: **1,000' FNL, 1,000' FEL** COUNTY: **San Juan**
OTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NENE 20 30S 26E S** STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Work over rig on the well
Pulling tubing and Packer
Replacing the Packer
Mechanical Integrity Test to follow up on completion which will be notified before 2 days

COPY SENT TO OPERATOR
Date: 9.23.2008
Initials: KS

NAME (PLEASE PRINT) Tsuyoshi Okano TITLE Manager
SIGNATURE [Signature] DATE 9-17-08

(This space for State use only)

**Approved by the
Utah Division of
Oil, Gas and Mining**

(6/2000) (See Instructions on Reverse Side)

Date: 09-17-08
By: [Signature]

**RECEIVED
SEP 17 2008
DIV. OF OIL, GAS & MINING**

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
2. CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

9/15/2008

FROM: (Old Operator): N2095-Wasatch Oil & Gas, LLC 1010 N 500 E, Suite 200 North Salt Lake, UT 84054 Phone: 1 (801) 451-9200	TO: (New Operator): N3530-T.E.S. Water Injection, LLC PO Box 5471 Farmington, NM 87401 Phone: 1 (505) 325-1198
---	--

CA No.			Unit:					
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 1-20	20	300S	250E	4303730464	2560	Federal	WD	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2008
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2008
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 9/17/2008
- Is the new operator registered in the State of Utah: _____ Business Number: 7089269-0160
- (R649-9-2)Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: n/a
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA n/a
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 9/18/2008

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 9/17/2008
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/17/2008
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: UTB000333
- Indian well(s) covered by Bond Number: n/a
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number n/a
- The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
BLM R-O-W UTU-68788

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL OIL WELL GAS WELL OTHER Water Disposal

8. WELL NAME and NUMBER:
Federal #1-20

2. NAME OF OPERATOR:
T.E.S. Water Injection, LLC N3530

9. API NUMBER:
4303730464

3. ADDRESS OF OPERATOR:
P.O. Box 5471 CITY Farmington STATE NM ZIP 87401 PHONE NUMBER: (505) 325-1198

10. FIELD AND POOL, OR WILDCAT:
Little Valley

4. LOCATION OF WELL
FOOTAGES AT SURFACE: **1,000' FNL, 1,000' FEL**

COUNTY: **San Juan**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NENE 20 30S 25E S**

STATE: **UTAH**

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective with the date signed below, T.E.S. Water Injection, LLC succeeds Wasatch Oil & Gas, LLC as operator and owner of the subject well.

Wasatch Oil & Gas, LLC **N2095**

By: *Thom Caswell*

Title: manager/president

Date: 9-15-08

**1010 N 500 E Ste 200
North Salt Lake, Ut 84025-0699
(801) 451-9200**

NAME (PLEASE PRINT) Isuyoshi Okano

TITLE Manager

SIGNATURE *Isuyoshi Okano*

DATE 9-15-08

(This space for State use only)

APPROVED 9/17/2008

(5/2000)

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

SEP 15 2008

DIV. OF OIL, GAS & MINING

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number Federal #1-20		API Number 4303730464
Location of Well Footage : 1,000' FNL, 1,000' FEL		Field or Unit Name Little Valley
County : San Juan	QQ, Section, Township, Range: NENE 20 30S 25E	Lease Designation and Number Federal R-O-W #UTU-68788
State : UTAH		

EFFECTIVE DATE OF TRANSFER: 9/15/2008

CURRENT OPERATOR

Company: <u>Wasatch Oil & Gas, LLC</u> <i>N2095</i>	Name: <u>Todd Cusick</u>
Address: <u>1010 North, 500 East</u>	Signature: <i>Todd Cusick</i>
<u>city North Salt Lake state UT zip 84054</u>	Title: <u>President/Manager</u>
Phone: <u>(801) 295-5985</u>	Date: <u>9/15/08</u>
Comments:	

NEW OPERATOR

Company: <u>T.E.S. Water Injection, LLC</u> <i>N3530</i>	Name: <u>Tsuyoshi Okano</u>
Address: <u>P.O. Box 5471</u>	Signature: <i>Tsuyoshi Okano</i>
<u>city Farmington state NM zip 87401</u>	Title: <u>President Manager</u>
Phone: <u>(505) 325-1198</u>	Date: <u>9-15-08</u>
Comments:	

(This space for State use only)

Transfer approved by: *Bradley G. Hill*
Title: BRADLEY G. HILL
ENVIRONMENTAL MANAGER
Comments:

Approval Date: 09-18-08

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SEP 15 2008
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection Well (Water Disposal)</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: BLM R-O-W UTU-68788
2. NAME OF OPERATOR: T.E.S Water Injection, LLC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O Box 5471 CITY Farmington STATE NM ZIP 87499		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1,000' FNL, 1,000' FEL		8. WELL NAME and NUMBER: Federal #1-20
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 20 30S 25E S		9. API NUMBER: 4303730464
COUNTY: San Juan		10. FIELD AND POOL, OR WILDCAT: Little Valley
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>10/6/2008</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Shoot</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Perforating 4 shots per foot at existing perforated zone. (Approximate depth 9200-9345)

COPY SENT TO OPERATOR
Date: 10-14-2008
Initials: KS

NAME (PLEASE PRINT) <u>Tsuyoshi Okano</u>	TITLE <u>General Manager</u>
SIGNATURE 	DATE <u>10-6-08</u>

(This space for State use only)

Approved by the
Utah Division of
Oil, Gas and Mining

(8/2000)

(See Instructions on Reverse Side)

Date: 10-10-08
By: 

RECEIVED
OCT 06 2008
DIV. OF OIL, GAS & MINING

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
BLM R-O-W UTU-68788

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME AND NUMBER:
Federal 1-20

9. API NUMBER:
4303730464

10. FIELD AND POOL, OR WILDCAT:
Little Valley

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL
OIL WELL GAS WELL OTHER Water Disposal

2. NAME OF OPERATOR:
T.E.S. Water Injection, LLC.

3. ADDRESS OF OPERATOR:
P.O. Box 5471 CITY Farmington STATE NM ZIP 87499 PHONE NUMBER: (858) 401-3985

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1,000' FNL, 1,000' FEL COUNTY: San Juan
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 20 30S 25E S STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <u>10/13/2008</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Shots</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Work over rig on the well
Pulling tubing and packer
Replacing the packer
Perforating 4 shots per foot at existing perforated zone.
Mechanical Integrity Test was followed and witnessed on 10/13/2008.

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 12-01-08
By: [Signature]

NAME (PLEASE PRINT) Tsuyoshi Okano TITLE Manager

SIGNATURE [Signature] DATE 11/26/2008

(This space for State use only)

(6/2000)

(See Instructions on Reverse Side)

RECEIVED
JUL 24 2008
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: 12.4.2008
Initials: KS



Water Injection

T.E.S Water Injection, LLC

P.O. Box 5471

Farmington, NM 87499-5471

ANNOUNCEMENT OF RELOCATION OF MAILING ADDRESS

February 27, 2009

State of Utah
Division of Oil, Gas and Mining
Mr. Gil Hunt and Mr. Brad Hill
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

*N 3530
ER 3/2/09*

Dear Mr. Hunt and Mr. Hill:

We are pleased to announce the relocation of our mailing address effective as of **March 1st, 2009**. Our new mailing address, telephone and fax numbers are:

**P.O. Box 597
Cortez, CO 81321-0597**

**PH: (858) 401-3985
FAX: (970) 565-7688**

*43 037 30464
Federal 1-20
30S 25E 20*

Please be so kind as to forward all correspondence and to make any necessary changes to this address.

It has been a pleasure to have relationship with DOGM and we look forward to continuing business with DOGM for years to come. If you have any questions or concerns, please do not hesitate to contact us at anytime.

Once again, we appreciate for your support.

Sincerely,

Tsuyoshi Okano
Manager
T.E.S. Water Injection, LLC.

RECEIVED

MAR 02 2009

DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Disposal Well</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: BLM R-O-W UTU-68788
2. NAME OF OPERATOR: T.E.S. Water Injection, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 597 CITY <u>Cortez</u> STATE <u>CO</u> ZIP <u>81321</u>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>1,000' FNL, 1,000' FEL</u>		8. WELL NAME and NUMBER: Federal #1-20
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>NENE 20 30S 25E S</u>		9. API NUMBER: 4303730464
COUNTY: <u>San Juan</u>		10. FIELD AND POOL, OR WILDCAT: Little Valley
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Work Over (Well clean up)</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Work over rig on the well
Pulling tubing and packer
Running bailer
Scraping and swabbing the well with rental packer
Replacing the packer setting within 50 feet above the perms.
Mechanical Integrity Test to follow up on completion which will be notified before 2 days

RECEIVED
AUG 28 2013

DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: 10-17-2013
Initials: KS

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: 10-16-13
By: [Signature]

NAME (PLEASE PRINT) <u>Tsuyoshi Okano</u>	TITLE <u>Manager</u>
SIGNATURE <u>[Signature]</u>	DATE <u>8-26-13</u>

(This space for State use only)