

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SAN JUAN MINERALS EXPLORATION COMPANY  
G. R. DICKINSON, OPERATOR

3. ADDRESS OF OPERATOR

Box 422, MEXICAN HAT, UTAH - 84531

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

At surface  
154 Ft. FROM THE SOUTH LINE AND 2189 Ft. FROM THE WEST LINE  
At proposed prod. zone  
SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

2 5/8 MILES NE

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

154'  
515 FT.

16. NO. OF ACRES IN LEASE

600.64

17. NO. OF ACRES ASSIGNED TO THIS WELL.

UNLIMITED

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

365'  
300 FT.

19. PROPOSED DEPTH

1600 FT. 900' *Goodridge*

20. ROTARY OR CABLE TOOLS

ROTARY

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

ON PLAT 4283'

22. APPROX. DATE WORK WILL START\*

10-01-84

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
SURFACE 9"	7 5/8"	20PD.	150'	35 SACKS NEAT
6 3/4"	4 1/2"	17PD.	200'	18 SACKS NEAT

DRILL HOLE WITH SPUD MUD TO SET 7 5/8" SURFACE CASING. DRILL 6 3/4" HOLE WITH AIR TO TD. ESTIMATED DEPTH - GOODRIDGE <sup>800'</sup> ~~1200'~~ PLUS.

THIS IS KNOWN AS A LOW PRESSURE AREA. ADEQUATE BLOWOUT PREVENTION EQUIPMENT WILL BE USED.

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

DATE: 10/24/84  
BY: John R. Base

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGN: G. R. Dickinson

TITLE: Operator

DATE: 10-15-84

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions On Reverse Side

COMPANY SAN JUAN MINERALS CO.

G. R. DICKERSON, OPERATOR

LEASE LOUISE FEDERAL WELL NO. 4

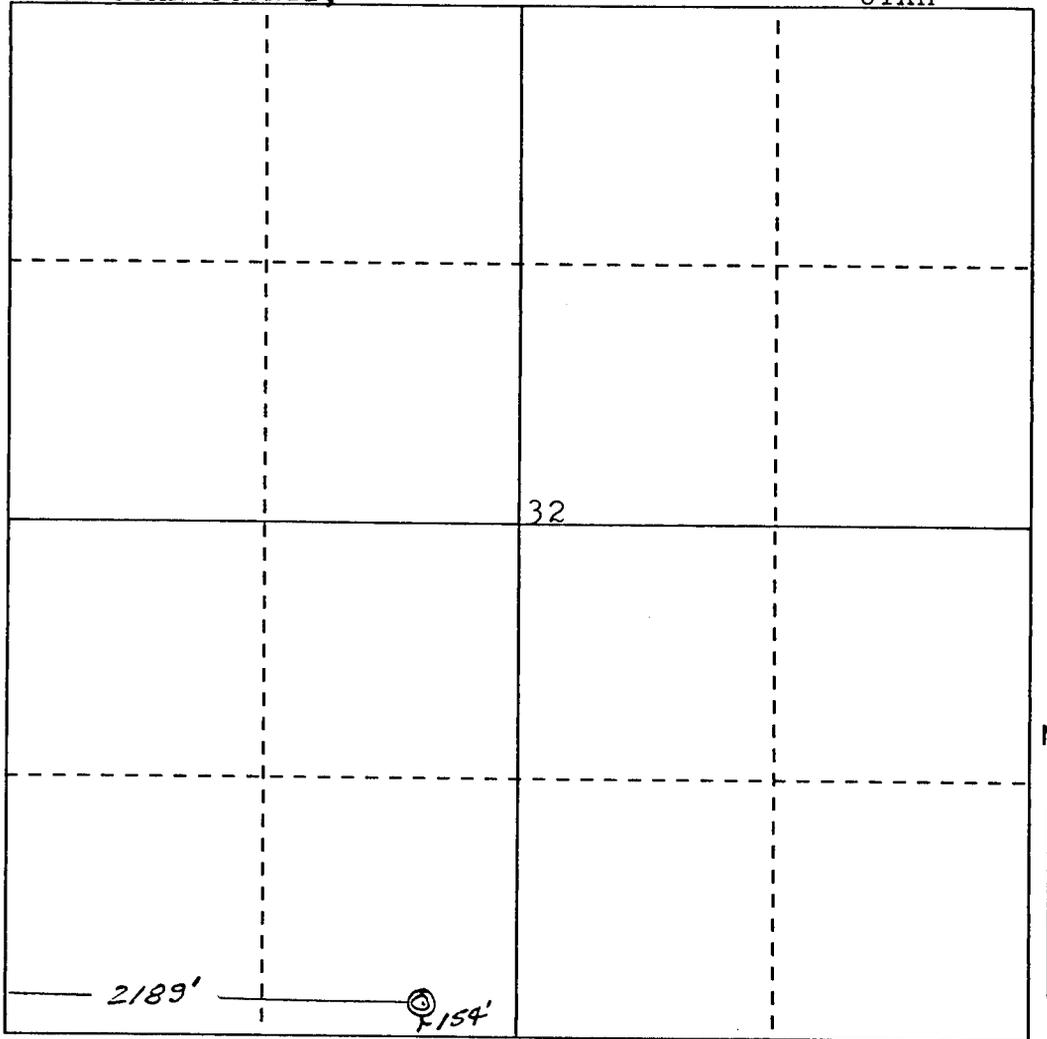
SEC. 32 T. 41 SOUTH R. 19 EAST, SLM

LOCATION 154 FEET FROM THE SOUTH LINE AND  
2189 FEET FROM THE WEST LINE

ELEVATION 4283 UNGRADED GROUND

SAN JUAN COUNTY,

UTAH



SCALE - 1 INCH EQUALS 1000 FEET

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

  
Registered Land Surveyor.

James P. Leese  
UTAH REG. #1472

SURVEYED August 31, 19 84

November 21, 1983

DEVELOPMENT PLAN FOR SURFACE USE:

San Juan Minerals  
Sec. 32, 41S, 19E  
San Juan County Utah  
Lease # U-22899

1. Existing roads - See Exhibit No. 1 Topography Map.

The San Juan County Road Department (801) 587-2231, ext. 43, will be contacted before county roads are used.

Improvement to existing access will be necessary and will be limited to a total disturbed width of 16 feet.

2. Planned Access Roads - Roads already in existence.  
New construction will be limited to a total disturbed width of 16 feet.  
The road will be built to Class III Standards.

3. Location of Existing Wells: Nearest Well approximately <sup>300</sup>~~2000~~ ft. away.  
See Map.

4. Location of Production - This is a proposed oil well test. A small gas jack will be installed and flow line will be laid after completion - tanks to be placed on lease after consultation with B.L.M. and U.S.G.S.

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture. See Map No. 1.

All above-ground production facilities will be painted a neutral color to be approved by the BLM (Largo Red)

5. Location and type of Water Supply - This is to be an air foam drilled hole. Fresh water for surface hole and cement will be hauled from the town of Mexican Hat.

Use of water for this operation will be approved by obtaining a temporary use permit from the Utah State Engineer (801) 637-1303 and by receiving permission from the land owner or surface managing agency to use the land containing the water source.

6. Source of Construction Materials - None Required.
7. Handling of Waste Materials:

- (a) Liquid waste to be retained in earthen pit.
- (b) Burnable waste, if any, to be placed in earthen pit and burned at appropriate times.

- (c) Non-burnable waste to be placed near burn pit and hauled off on completion.
- (d) Latrine facilities to be furnished by contractor and waste hole filled upon completion.
- (e) A trash barrel will be used.
- (f) The reserve pit will not be lined. At least half of the capacity will be in cut.
- (g) Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

8. Ancillary Facilities - None required.

9. Well Layout - See Exhibit No. 2.

The top 6 inches of soil material will be removed from the location and stockpiled separate from the trees on the uphill side. Topsoil along the access will be reserved in place.

10. Plans for restoration of surface - upon completion of drilling, fill and grade down to conform as nearly as possible to topography as per BLM specification.

Immediately on completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be hauled to the Mexican Hat dump.

The operator or his contractor will contact the BLM office in Monticello, Utah, (801) 587-2201, 48 hours before starting reclamation work that involved earth moving equipment and upon completion of restoration measures.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.

The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12 inches deep with the contour.

Water bars will be built as follows to control erosion.

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 feet
2-4%	Every 100 feet
4-5%	Every 75 feet
5+%	Every 50 feet

Seed will be broadcast between October 1 and February 28 with the following prescription. A harrow of similar implement will be dragged over the area to assure seed cover.

- 2 lbs/acre Indian ricegrass (Oryaopsis hymenoides)
- 1 lb/acre Curley grass (Hilaria jamesii)
- 2 lbs/acre Shadscale (Atriplex confertifolia)
- 1 lb/acre Wild sunflower (Helianthus annuus)

The access will be blocked to prevent vehicular access.

11. Other information - Surface area of proposed location is rocky with very little vegetation - some Shadscale. Little dirt work is necessary.

The operator or his contractor will contact the San Juan Resource Area Office in Monticello, Utah, (801) 587-2201, 48 hours before beginning any work on public land. BLM will be present during all construction.

The operator will give the dirt contractor a copy of the Surface Use Plan and any additional BLM stipulations before any work.

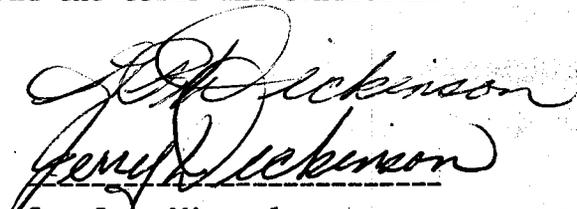
All employees working in the area will be informed by the operator that they are subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

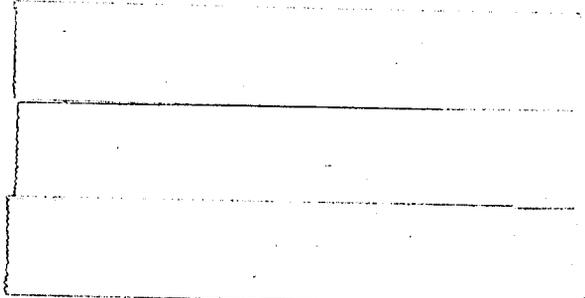
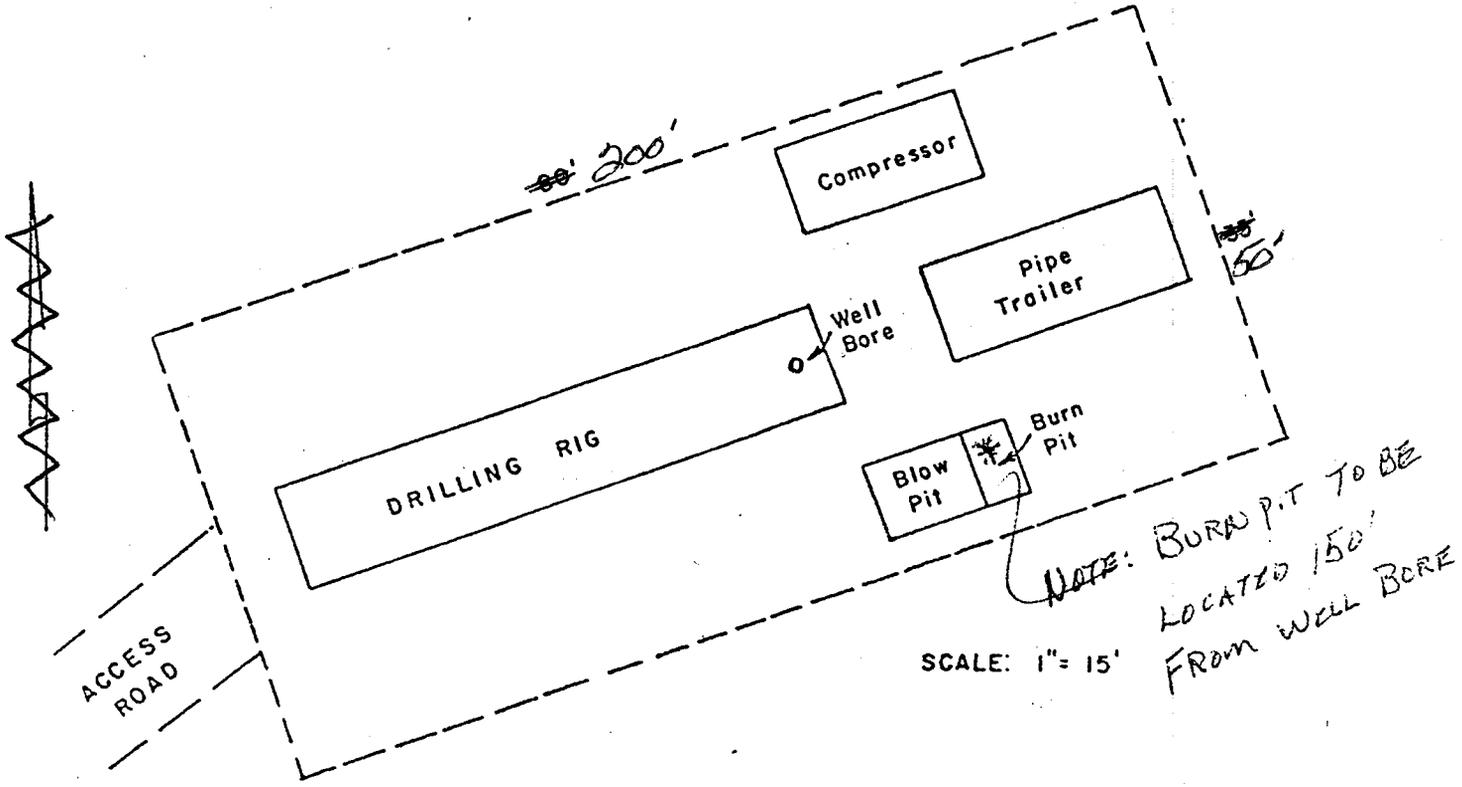
12. San Juan Minerals, Box 422; Mexican Hat, Utah - 84531 - (801)683-2226<sup>9</sup>.

13. Certification:

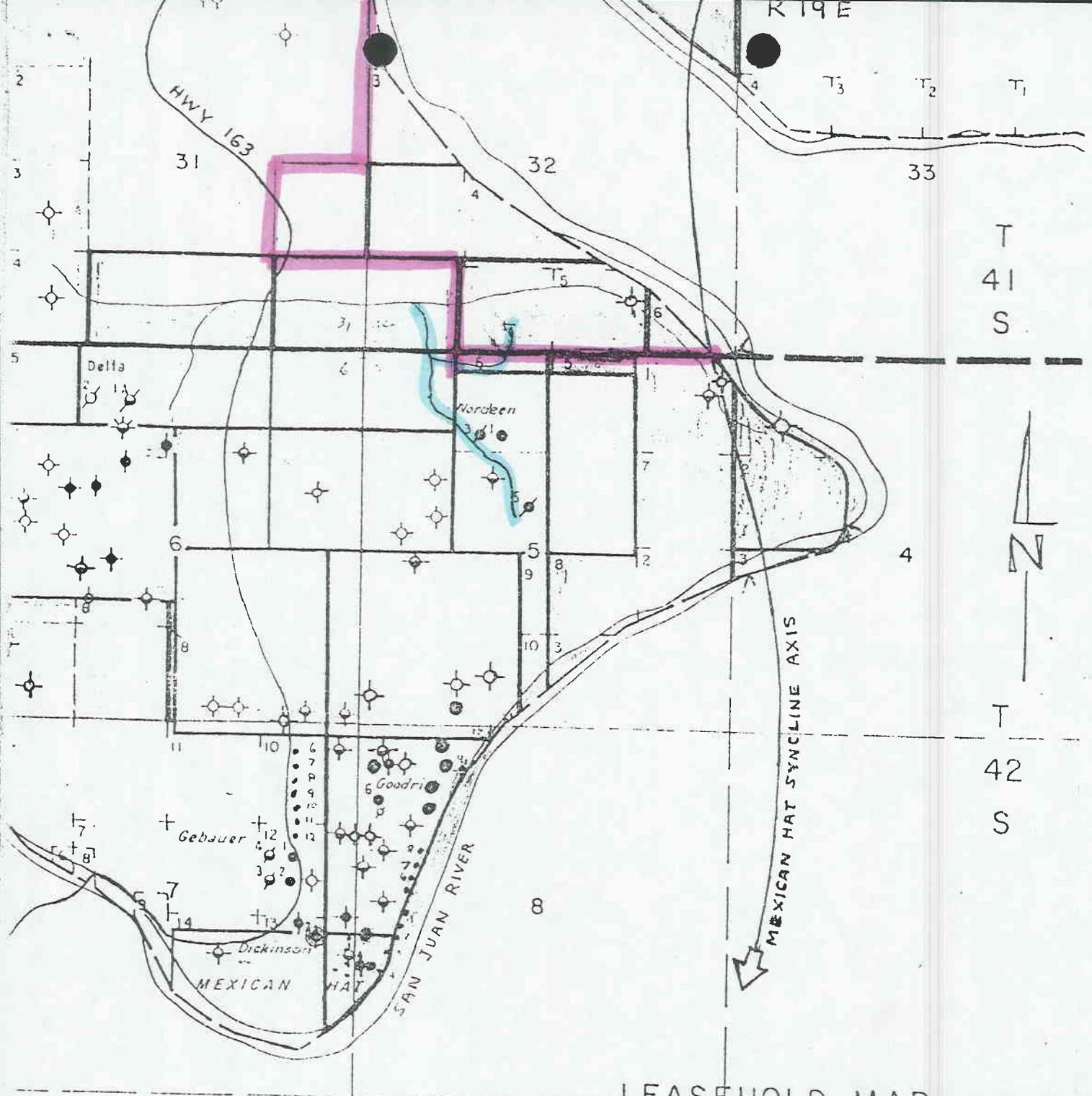
I hereby certify that I have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by a competent contractor. Dirt work and other contract work will be in conformity with this plan and the terms and conditions under which it is approved.

  
San Juan Minerals  
by Jerry Dickinson

NORTH



SAN JOAN MINERALS EXPLORATION CO



LEASEHOLD MAP

BLM FEDERAL U-22899 (EXPIRES DEC. 31, 1983) S.J.M.E

*Existing Trails in Blue*

NORDEEN LEASEHOLD (FEE MINERAL)

GOODRIDGE LEASEHOLD (FEE MINERAL)

MEXICAN HAT AREA

SAN JUAN COUNTY, UTAH

Scale 1"=2000'

BLM FEDERAL U-16484 (Expired OCT. 31, '82)

BLM FEDERAL U-7303 (held by production)

BLM FEDERAL U-23761 (expires Nov. 30, '83)

BLM FEDERAL U-23761-A (expires Nov. 30, '83)

- Producing oil well
- Dry hole
- Abandoned Hole w/ oil shows
- Discovery well
- Abandoned well poor completion

- Poor completion w/oil s
- Abandoned incomplete h
- Exhausted producer
- Abandoned well
- Wesgro Corporation Figure 4 (197)

10 Point Check List

1. Halicaito
2. Goodridge <sup>800</sup> ~~200~~' - Desert Creek ~~1000~~'
3. Water at 80' Oil at 200' plus
4. Plan to set 7 5/8" APIJ-55 and 4 1/2" APIJ-55 - 7 5/8" weighs 20# per foot & 4 1/2", 15# per foot - new.
5. Attached is Schematic Diagram. Will pressure test 7 5/8" casing with mud pump to 500 PSI and on the ~~4~~ 1/2" casing will circulate cement to surface - plan 1 test.
6. Drill with air.
7. Standard 1500' Drilling Rig
8. If we have a good oil show we will log & test the well.
9. No abnormal pressures anticipated.
10. December 21, 198<sup>4</sup>, 2 months.

Department of the Interior  
Bureau of Land Management  
Utah State Office

Summary Report of  
Inspection for Cultural Resources

BLM Report ID No.

For BLM Use Only

1 4 10

Report Acceptable

Yes \_\_\_ No \_\_\_

Mitigation Acceptable

Yes \_\_\_ No \_\_\_

Comments: \_\_\_\_\_

Report Title C R I I 8 W E L L S S J E X P M E X T I C A N H A T U T A H

Development Company San Juan Exploration Company-Jerry Dickenson

Report Date 9 MONTH 1984 YEAR

4. Antiquities Permit No. 84-17-54621

Responsible Institution C H County San Juan

Fieldwork Location: TWN 41S Range 19E Section(s) 32  
62 65 66 69 70 71 72 73 74 75 76 77

TWN 42S Range 19E Section(s) 5  
78 81 82 85 86 87 88 89 90 91 92 93

Resource Area SJ TWN 94 Range 98 Section(s) 102103 104105 106107 108109

PO=PONY EXPRESS, BR=BEAR RIVER, PR=PRICE RIVER, WS=WARM SPRINGS  
BC=BOOK CLIFFS, HR=HOUSE RANGE, SE=SEVIER RIVER  
HM=HENRY MOUNTAINS, BE=BEAVER RIVER, DX=DIXIE  
KA=KANAB, ES=ESCALANTE, SJ=SAN JUAN, GR=GRAND  
SR=SAN RAFAEL, DM=DIAMOND MOUNTAIN,

FH in spaces 65, 69, 81, 85, 97, 101 Only if:  
V=Vernal Meridian  
H=Half Township

Description of Examination Procedures:

100% survey by walking parallel transects across pad areas spaced between 10 and 15 meters apart.

Linear Miles Surveyed and/or 112 117  
Definable Acres Surveyed and/or 215 123  
\* Legally Undefinable Acres Surveyed 124 129  
(\*A parcel hard to cadastrally locate i.e., center of section)

10. Inventory Type T  
130  
R=Reconnaissance  
I=Intensive  
S=Statistical Sample

Description of Findings (attach appendices, if appropriate)

12. Number Sites Found: 0 131 135  
No sites = 0

No Cultural Resources, either prehistoric or historic found.

13. Collection: N Y=Yes, N=No  
136

Actual/Potential National Register Properties Affected:

None

Literature Search, Location/Date:

Monticello, Utah at BLM Resource Area Office on 11/10/83

Conclusion/Recommendations:

Cultural Resource Clearance is recommended

Signature

Cultural Resource Inventory  
Eight Proposed Well Sites  
for  
San Juan Minerals Exploration Company  
Mexican Hat, San Juan County, Utah

by  
Laurens C. Hammack  
Complete Archaeological Service Associates  
7 North Park  
Cortez, Colorado 81321

Prepared for  
Jerry Dickenson  
P.O. Box 422  
Mexican Hat, Utah 84531

Submitted to  
Bureau of Land Management  
San Juan Resource Area  
Monticello, Utah 84535

Antiquities Section  
Division of State History  
300 Rio Grande, Suite 210  
Salt Lake City, Utah 84101

FLPMA Permit # 84-UT-54621  
Utah State Permit #U-84-10  
(Survey Permit # U-84-10-91b)

September 24, 1984

## Management Summary

On September 18, 1984, Laurens C. Hammack of Complete Archaeological Service Associates (CASA) conducted a cultural resource inventory on eight proposed well locations northeast of Mexican Hat, Utah. This survey was requested by San Juan Minerals Exploration Company, Mexican Hat, Utah.

An on-foot examination of the staked well locations revealed no prehistoric or historic remains within the areas of possible disturbance. Access is by a series of previously surveyed trail roads. Archaeological clearance of these eight well sites is recommended.

## Introduction

A cultural resource inventory was conducted by CASA on eight proposed oil well locations within the Mexican Hat Oil Field, San Juan County, Utah. Three wells in this lease had been previously surveyed (Hammack, 11/11/83) with these new locations (Louise Federal #'s 4-11), the second stage in a continuing drilling program. This survey was requested by Jerry Dickinson, San Juan Minerals Exploration Company, Mexican Hat, Utah.

The field work was undertaken on September 18, 1984 by Laurens C. Hammack of CASA, accompanied by Hugh Dickinson who located each proposed well site. This inventory and the report were completed to meet the requirements of applicable historic preservation laws and Executive Order 11593. All work was done under the provisions of FLPMA Permit # 84-UT-54621 and Utah State Permit # 84-U-10(91b) issued to Complete Archaeological Service Associates. The San Juan Resource Area office of the Bureau of Land Management, Monticello, Utah was notified by letter and phone prior to undertaking this investigation.

## Location

The proposed wells are all located within the southeast quarter, southwest quarter of Section 32, T 41 S, R 19 E. Two additional locations within the northeast quarter, northwest quarter of Section 5, T 42 S, R 19 E. are on private lands. All locations, regardless of ownership were surveyed. A description of the well locations and brief environmental setting is provided on the following pages. Location plats for each well are also attached.

## Survey Methodology

Each well was staked with a single lathe and survey stake with the well number inscribed on the stake. The locations were all within close proximity to one another, being all located within a single 10 acre parcel. Each location was walked in a series of parallel transects spaced between 10 and 15 meters apart. Due to the close spacing of the wells transects often overlapped. Access roads were all existing trails that had been subjected to previous inventory and were only cursorily examined. Main access to the well field is by an existing gravel road to Mexican Hat Campground.

## Survey Results

No cultural resources were located within any of the eight well sites examined. This survey confirms the results of four previous investigations within the immediate vicinity which document the lack of prehistoric and historic use of the area. The immediate vicinity is currently utilized for "recreational purposes" as evidenced by the large quantities of broken bottles, pull-tabs, and vehicle tracks.

## Recommendations

Cultural Resource Clearance is recommended for the eight wells described. Cultural Resource Clearance is also recommended for any further drilling activity within the SE  $\frac{1}{4}$  of the SW  $\frac{1}{4}$  of Section 32, T 41 S, R 19 E, and NE  $\frac{1}{4}$  of the NW  $\frac{1}{4}$  Section 5, T 42 S, R 19 E. San Juan County; Utah.

## Well Descriptions

Well Name: Louise Federal #'s 4 thru 11

Legal Descriptions: #4-SW $\frac{1}{4}$ , SE $\frac{1}{4}$ , SE $\frac{1}{4}$ , SW $\frac{1}{4}$ , Section 32, T 41 S, R 19 E  
#5-SE $\frac{1}{4}$ , SE $\frac{1}{4}$ , SE $\frac{1}{4}$ , SW $\frac{1}{4}$ , Section 32, T 41 S, R 19 E  
#6-NW $\frac{1}{4}$ , NE $\frac{1}{4}$ , NE $\frac{1}{4}$ , NW $\frac{1}{4}$ , Section 5, T 42 S, R 19 E  
#7-NE $\frac{1}{4}$ , NW $\frac{1}{4}$ , NE $\frac{1}{4}$ , NW $\frac{1}{4}$ , Section 5, T 42 S, R 19 E  
#8-SE $\frac{1}{4}$ , SW $\frac{1}{4}$ , SE $\frac{1}{4}$ , SW $\frac{1}{4}$ , Section 32, T 41 S, R 19 E  
#9-NW $\frac{1}{4}$ , SE $\frac{1}{4}$ , SE $\frac{1}{4}$ , SW $\frac{1}{4}$ , Section 32, T 41 S, R 19 E  
10-NE $\frac{1}{4}$ , SW $\frac{1}{4}$ , SE $\frac{1}{4}$ , SW $\frac{1}{4}$ , Section 32, T 41 S, R 19 E  
11-SE $\frac{1}{4}$ , NW $\frac{1}{4}$ , SE $\frac{1}{4}$ , SW $\frac{1}{4}$ , Section 32, T 41 S, R 19 E

UTM: Zone 12, E 602300/N 414475(center of 10 acre parcel)

Elevations: #4--4283 feet  
#5--4282 feet  
#6--4277 feet  
#7--4245 feet  
#8--4252 feet  
#9--4250 feet  
10--4248 feet  
11--4255 feet

Ownership: Well #4,5,8,9,10,11 (BLM)  
Well #6,7 (Private)

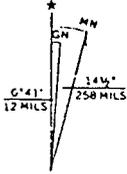
Map Reference: USGS Mexican Hat, Utah 15 min. 1963

Area Surveyed: 10 acre parcel which includes all wells plus additional 15 acres surrounding parcel

Setting: Proposed wells are situated in an area of eroded sandstone rock around the base(south) of Mexican Hat Rock approximately  $\frac{1}{2}$  mile west of the San Juan River. Area supports little soil with resultant sparse vegetation of small bushes and grasses. Mormon Tea, snakeweed, four-wing salt bush and salt sage are the major types present. Area heavily disturbed by ORV activity and extensive partying as evidenced by abundance of "litter". All wells easily accessible by existing roads.

Cultural Resources: No historic or prehistoric cultural resources were located during the intensive survey of these eight well locations.

Recommendations: Cultural Resource Clearance is recommended for these eight wells and any future drilling activity within the  $\frac{1}{4}$ ,  $\frac{1}{4}$  sections as described.



MEXICAN HAT, UTAH  
N3700—W10945/15

1953

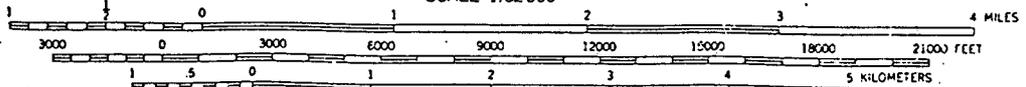
AMS 4058 III—SERIES V797



QUADRANGLE LOCATION



SCALE 1:62500



CONTOUR INTERVAL 40 FEET  
CONTOUR INTERVAL ON RIVER SURFACE 20 FEET  
DATUM IS MEAN SEA LEVEL

Figure 1. Project Area

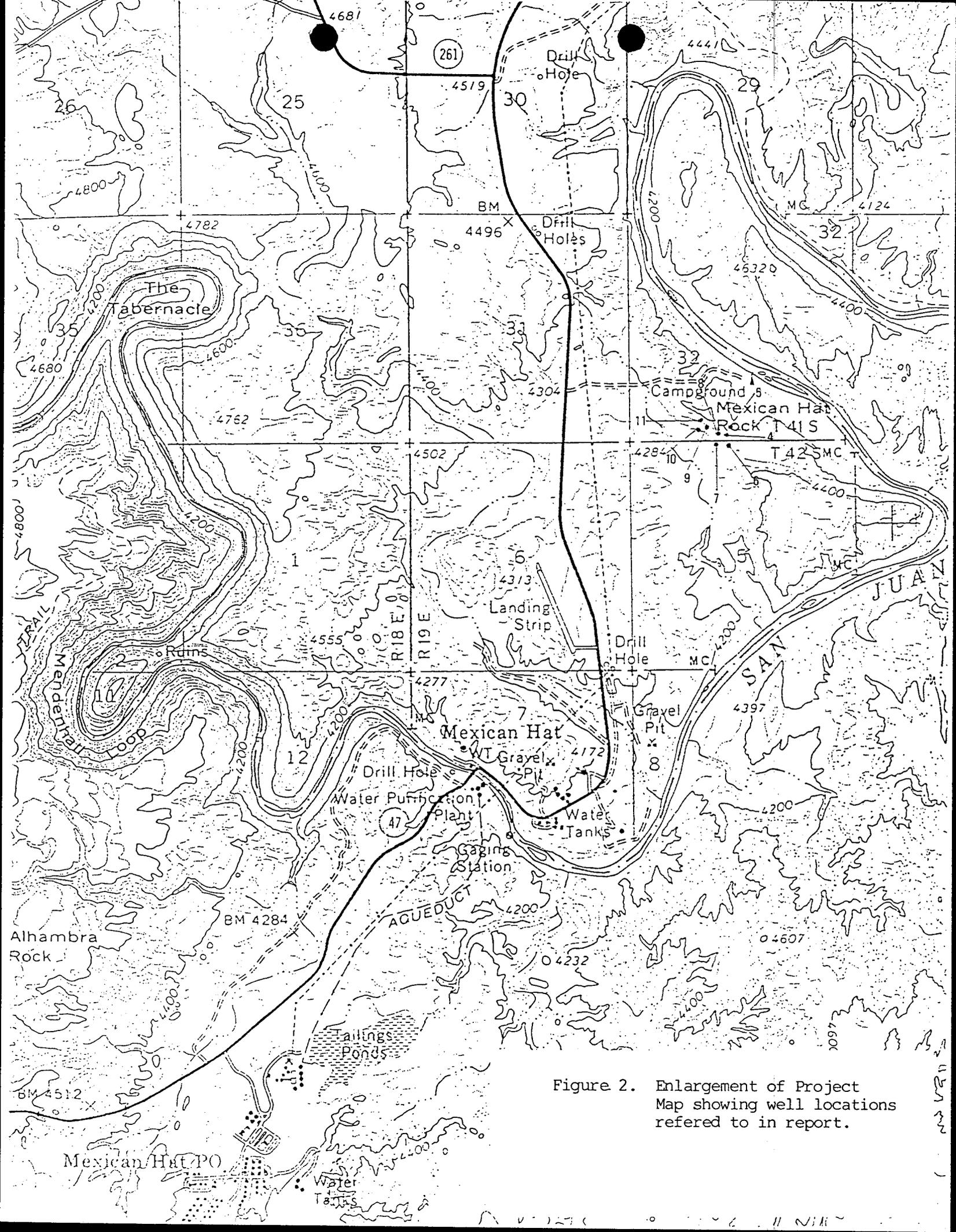
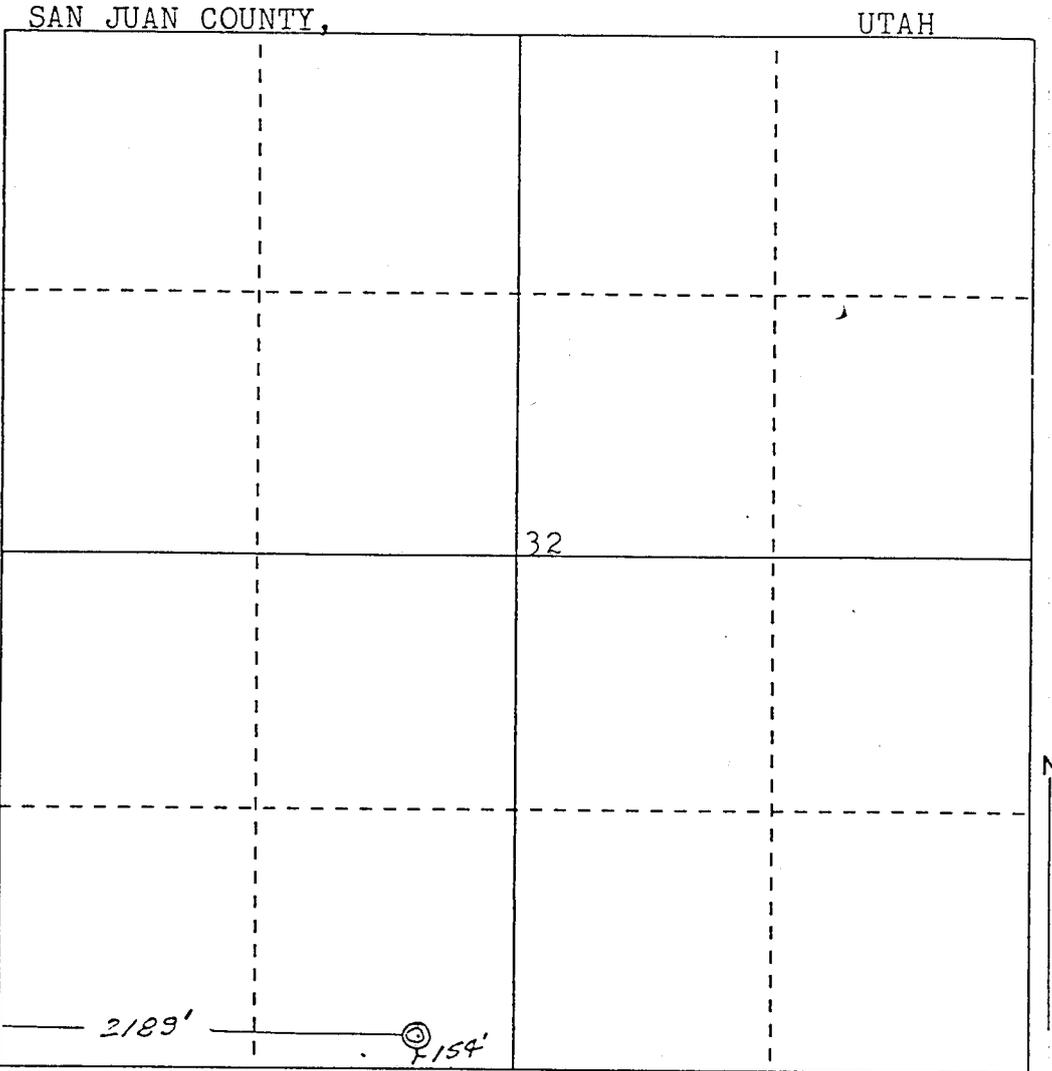


Figure 2. Enlargement of Project Map showing well locations referred to in report.

COMPANY SAN JUAN MINERALS CO.  
G. R. DICKERSON, OPERATOR  
 LEASE LOUISE FEDERAL WELL NO. 4  
 SEC. 32 T. 41 SOUTH R. 19 EAST, SLM  
 LOCATION 154 FEET FROM THE SOUTH LINE AND  
2189 FEET FROM THE WEST LINE  
 ELEVATION 4283 UNGRADED GROUND



SCALE - 1 INCH EQUALS 1000 FEET

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

  
 Registered Land Surveyor.  
 James P. Leese  
 UTAH REG. #1472

SURVEYED August 31, 19 84

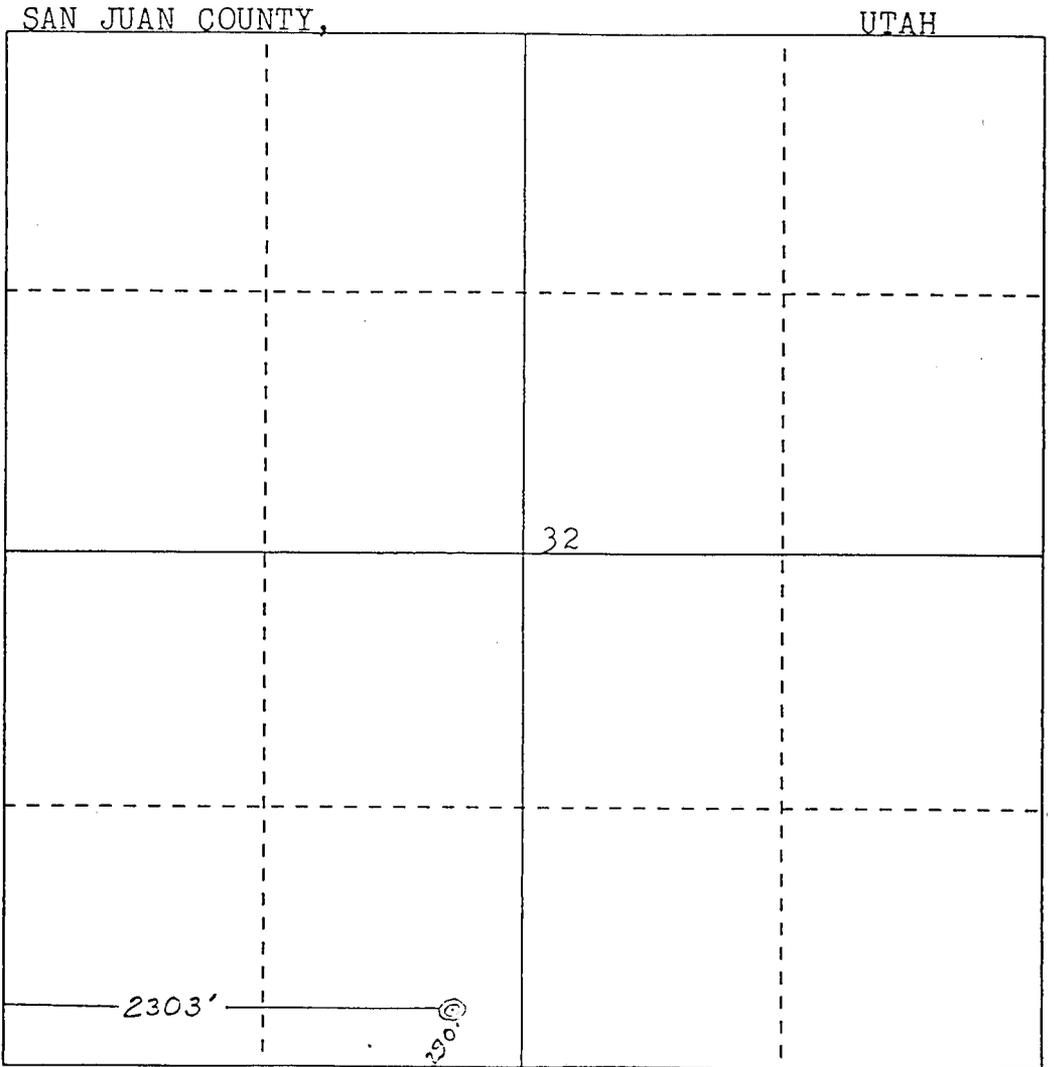
COMPANY SAN JUAN MINERALS CO.

LEASE G. R. DICKERSON, OPERATOR  
LOUISE FEDERAL WELL NO. 5

SEC. 32 T. 41 SOUTH R. 19 EAST, S.L.M.,

LOCATION 290 FEET FROM THE SOUTH LINE AND  
2303 FEET FROM THE WEST LINE

ELEVATION 4282 UNGRADED GROUND



SCALE - 1 INCH EQUALS 1000 FEET

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SEAL:

*James P. Lee*  
Registered Land Surveyor.

JAMES P. LEESE  
UTAH REG. #1472

SURVEYED August 31, 19 84

COMPANY SAN JUAN MINERALS CO.

G. R. DICKERSON, OPERATOR

LEASE WILLIAMS WELL NO. 6

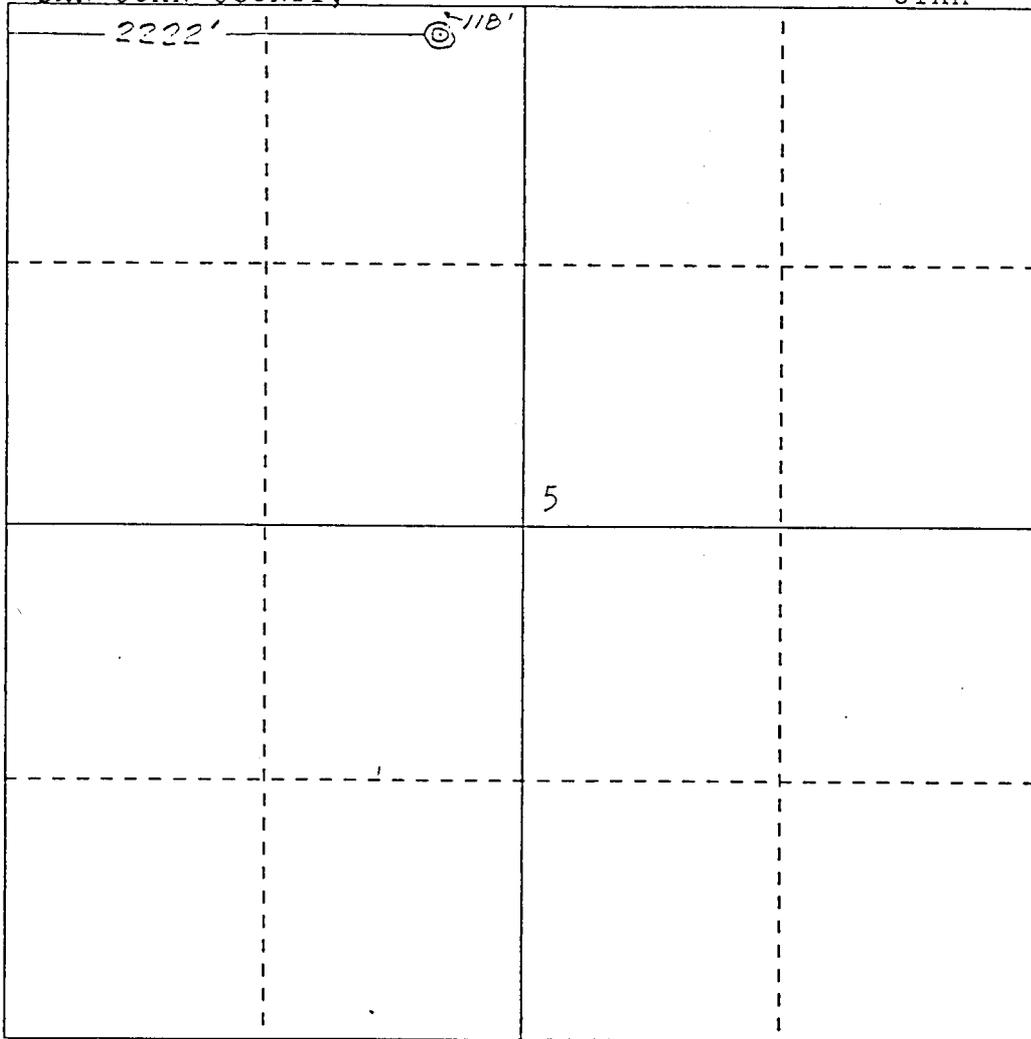
SEC. 5 T. 42 SOUTH R. 19 EAST, S.L.M.

LOCATION 118 FEET FROM THE NORTH LINE AND  
2222 FEET FROM THE WEST LINE

ELEVATION 4277 UNGRADED GROUND

SAN JUAN COUNTY,

UTAH



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*James P. Leese*  
 Registered Land Surveyor.

JAMES P. LEESE  
UTAH REG. #1472

SURVEYED AUGUST 31, 19 84

COMPANY SAN JUAN MINERALS CO.

G. R. DICKERSON, OPERATOR

LEASE WILLIAMS WELL NO. 7

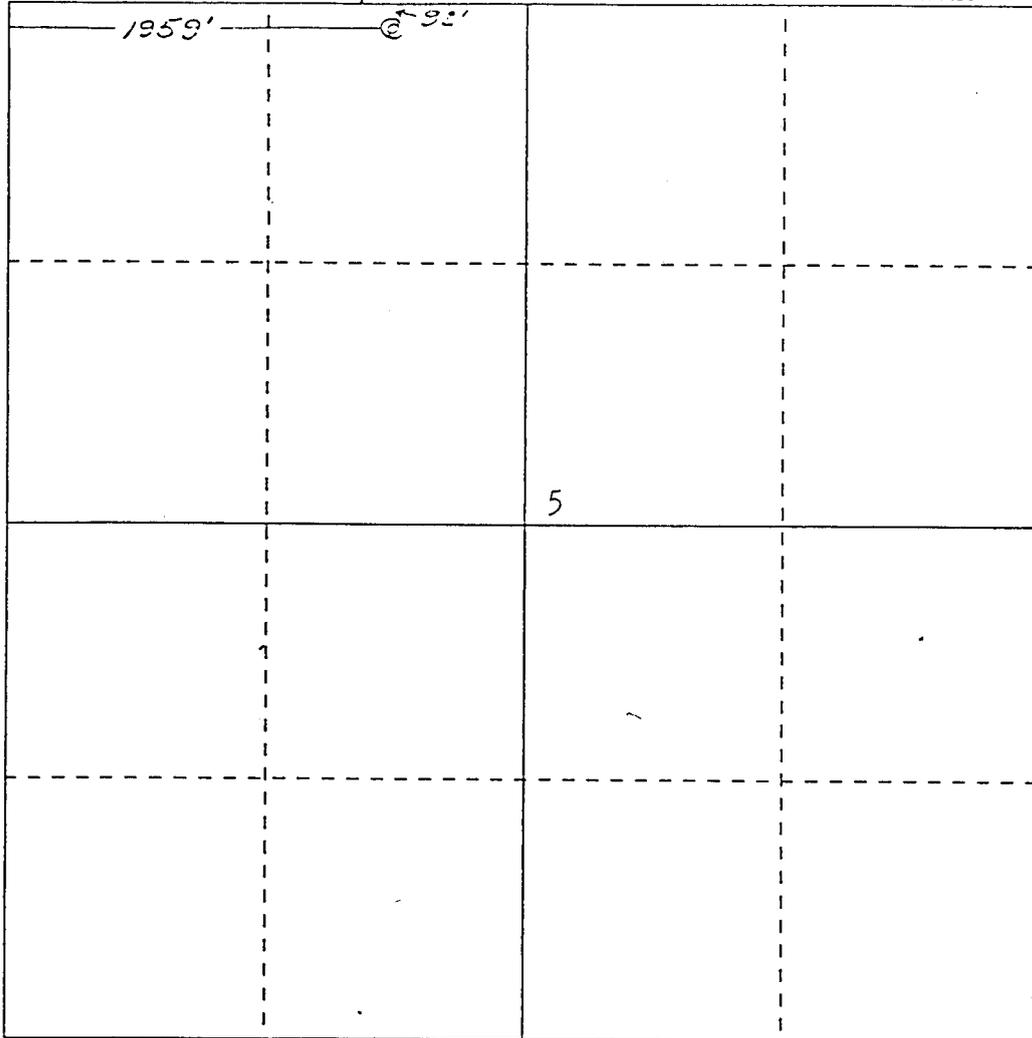
SEC. 5 T. 42 SOUTH R. 19 EAST, S.L.M.

LOCATION 92 FEET FROM THE NORTH LINE AND  
1959 FEET FROM THE WEST LINE

ELEVATION 4245 UNGRADED GROUND

SAN JUAN COUNTY,

UTAH



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*James P. Leese*  
 Registered Land Surveyor.

JAMES P. LEESE  
UTAH REG. #1472

SURVEYED AUGUST 31, 19 84

COMPANY SAN JUAN MINERALS CO.

G. R. DICKERSON, OPERATOR

LEASE LOUISE FEDERAL WELL NO. 8

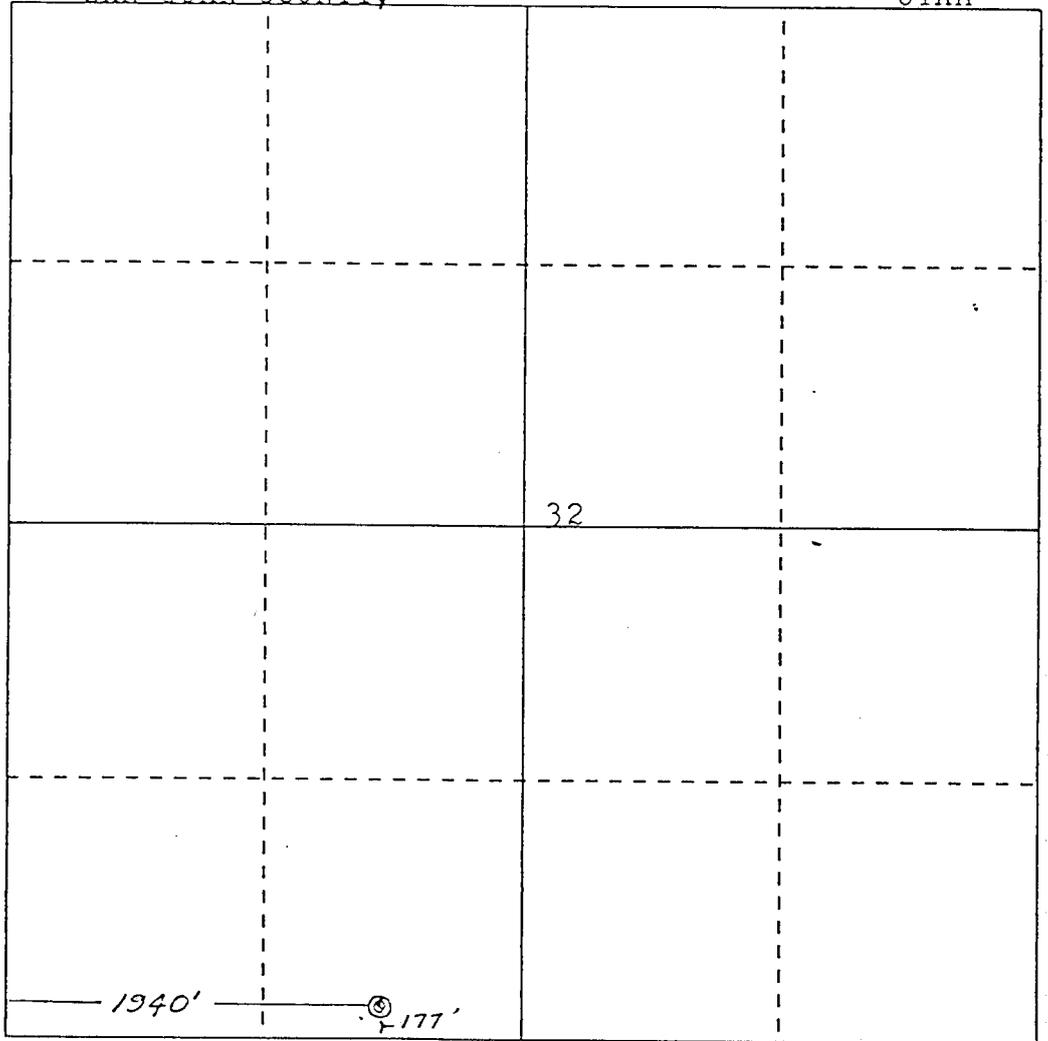
SEC. 32 T. 41 SOUTH R. 19 EAST, S.L.M.

LOCATION 177 FEET FROM THE SOUTH LINE AND  
1940 FEET FROM THE WEST LINE

ELEVATION 4252 UNGRADED GROUND

SAN JUAN COUNTY,

UTAH



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Registered Land Surveyor.

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UTAH REG. #1472

SURVEYED AUGUST 31, 19 84

COMPANY SAN JUAN MINERALS CO.

G. R. DICKERSON, OPERATOR

LEASE LOUISE FEDERAL WELL NO. 9

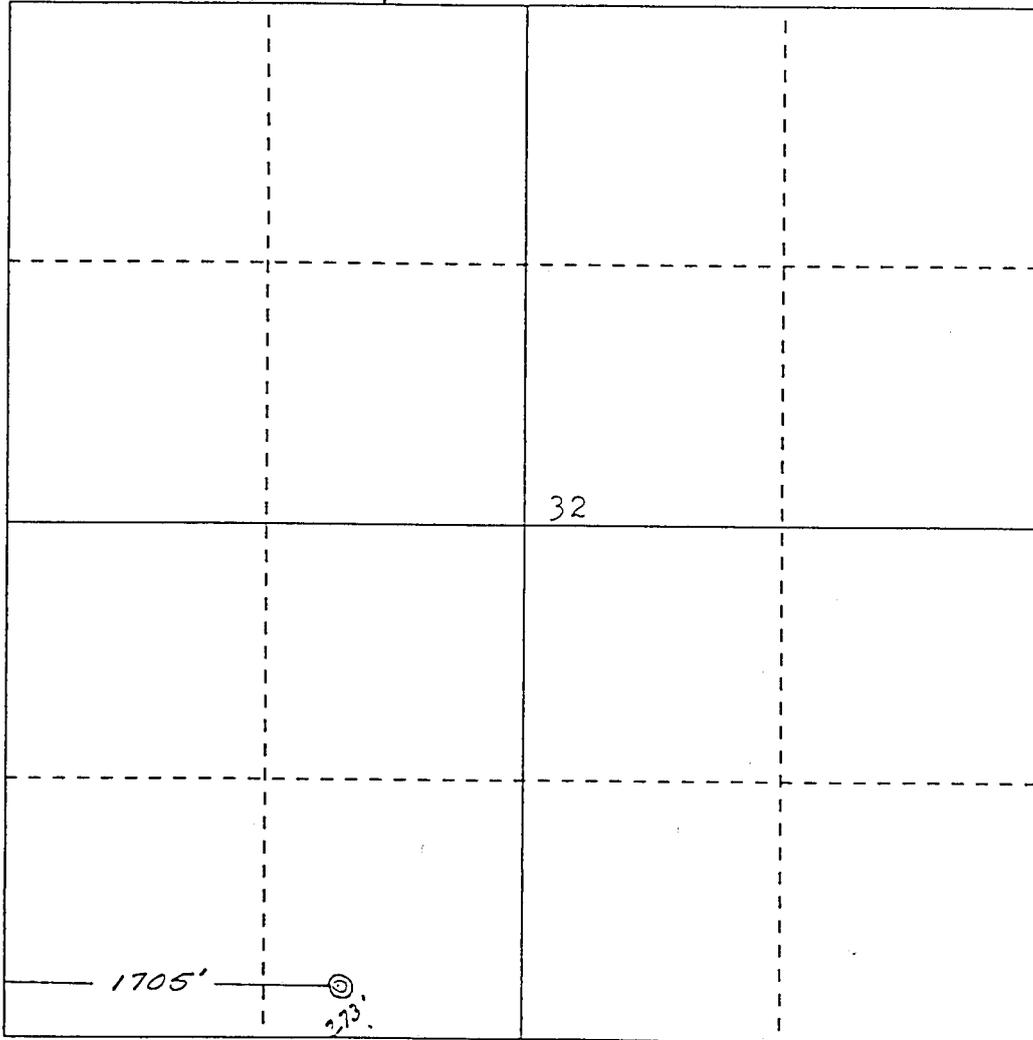
SEC. 32 . T 41 SOUTH . R 19 EAST, SLM

LOCATION 273 FEET FROM THE SOUTH LINE AND  
1705 FEET FROM THE WEST LINE

ELEVATION 4250 UNGRADED GROUND

SAN JUAN COUNTY,

UTAH



SCALE - 1 INCH EQUALS 1000 FEET

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

*James P. Lee*  
Registered Land Surveyor.

JAMES P. LEESE  
UTAH REG. #1472

SURVEYED AUGUST 31, 19 84

COMPANY SAN JUAN MINERALS CO.

G. R. DICKERSON, OPERATOR

LEASE LOUISE FEDERAL WELL NO. 10

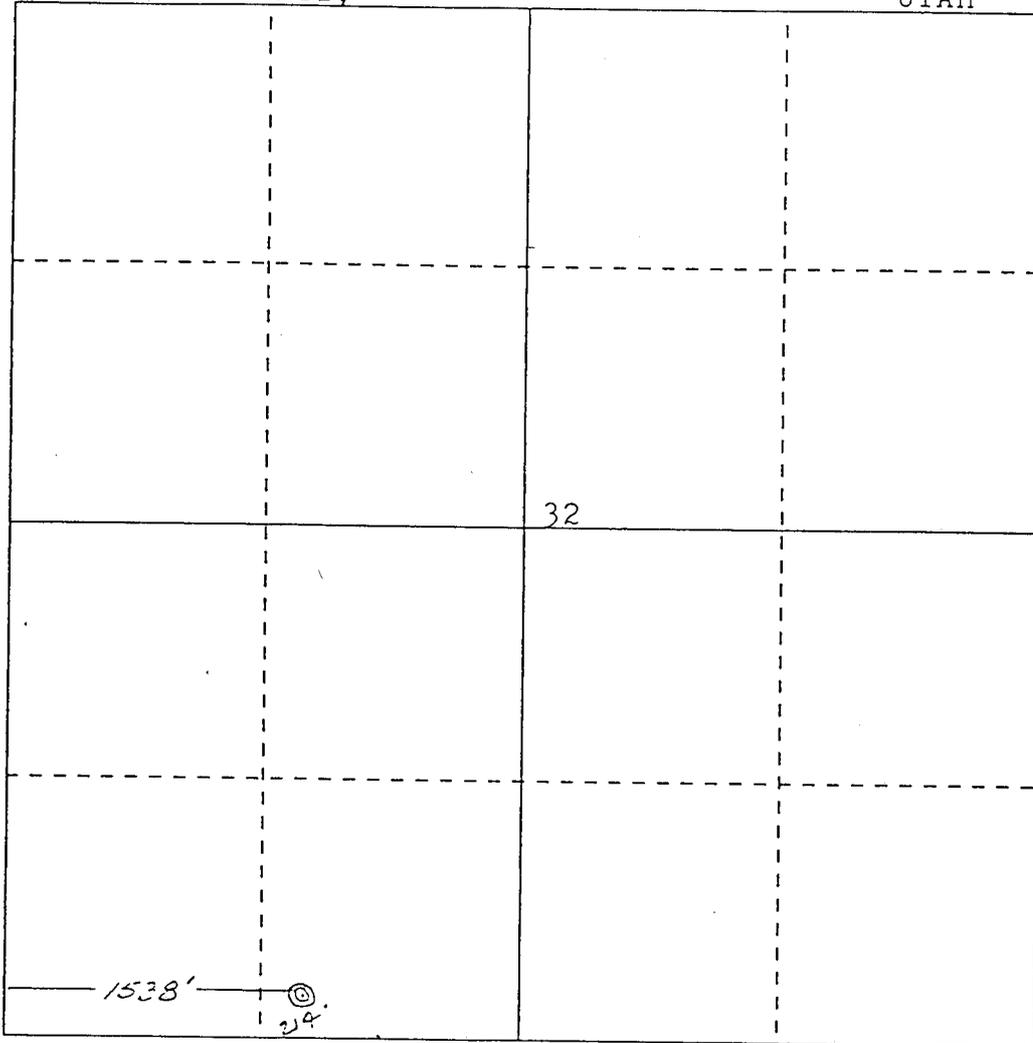
SEC. 32 T. 41 SOUTH R. 19 EAST, S.L.M.

LOCATION 214 FEET FROM THE SOUTH LINE AND  
1538 FEET FROM THE WEST LINE

ELEVATION 4248 UNGRADED GROUND

SAN JUAN COUNTY,

UTAH



SCALE - 1 INCH EQUALS 1000 FEET

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

*James P. Lee*  
Registered Land Surveyor.

JAMES P. LEESE  
UTAH REG. #1472

SURVEYED AUGUST 31, 19 84

COMPANY SAN JUAN MINERALS CO.  
G. R. DICKERSON, OPERATOR  
LEASE LOUISE FEDERAL WELL NO. 11

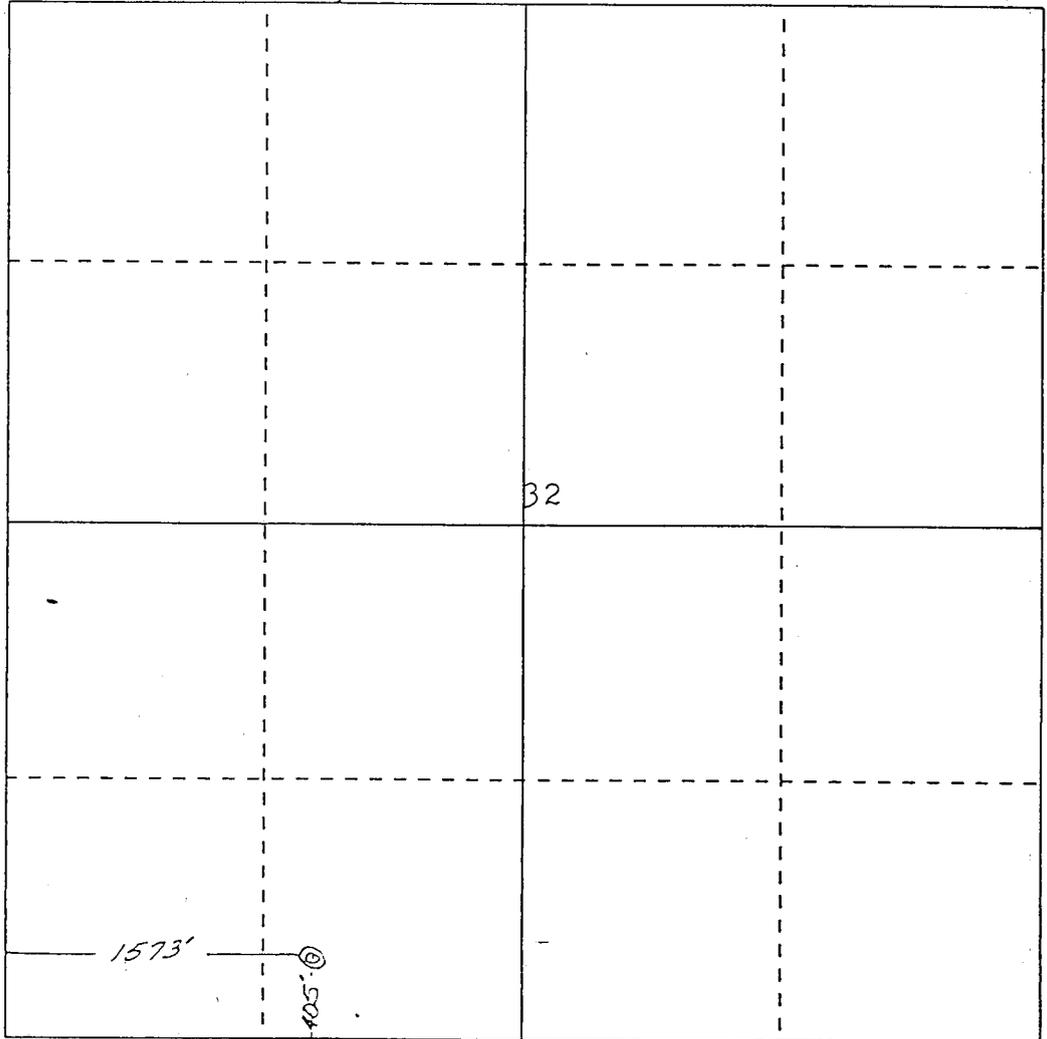
SEC. 32 T. 41 SOUTH R. 19 EAST, S.L.M.

LOCATION 405 FEET FROM THE SOUTH LINE AND  
1573 FEET FROM THE WEST LINE

ELEVATION 4255 UNGRADED GROUND

SAN JUAN COUNTY,

UTAH



SCALE - 1 INCH EQUALS 1000 FEET

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

*James P. Lee*  
Registered Land Surveyor.

JAMES P. LEESE  
UTAH REG. #1472

SURVEYED AUGUST 31, 19 84

OPERATOR San Juan Minerals DATE 10-23-84

WELL NAME Louise Sed. #4

SEC SE SW 32 T 41S R 19E COUNTY San Juan

43-037-31092  
API NUMBER

Full  
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

Order # 156-3 -  
Flashed water permits Drilled with air per Jerry Dickinson

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT  c-3-a 156-3 4/15/80  
CAUSE NO. & DATE

c-3-b  c-3-c

SPECIAL LANGUAGE: STIPULATIONS

1- Water



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

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

October 24, 1984

San Juan Minerals Exploration Co.  
P. O. Box 422  
Mexican Hat, Utah 84531

Attention: G. R. Dickinson

Gentlemen:

Re: Well No. Louise Federal #4 - SE SW Sec. 32, T. 41S, R. 19E  
154' FSL, 2189' FWL - San Juan County, Utah

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

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

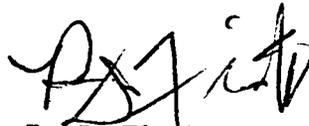
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2  
San Juan Minerals Exploration Co.  
Well No. Louise Federal #4  
October 24, 1984

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

The API number assigned to this well is 43-037-31092.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals

REC'D MDO OCT 19 1984

Form 3160-3  
(November 1983)  
(formerly 9-331C)

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SAN JUAN MINERALS EXPLORATION COMPANY  
G. R. DICKINSON, OPERATOR

3. ADDRESS OF OPERATOR

Box 422, MEXICAN HAT, UTAH - 84531

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

154 Ft. FROM THE SOUTH LINE AND 2189 Ft. FROM THE WEST LINE  
At surface  
At proposed prod. zone  
SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

2 5/8 MILES NE

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

154'  
515 FT.

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

365'  
300 FT.

16. NO. OF ACRES IN LEASE

600.64

19. PROPOSED DEPTH

1600 FT. 900'

17. NO. OF ACRES ASSIGNED TO THIS WELL

UNLIMITED

20. ROTARY OR CABLE TOOLS

ROTARY

12. COUNTY OR PARISH

SAN JUAN

13. STATE

UTAH

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

SEC. 32 T41S R19E S.L.M.

9. WELL NO.

WELL #4

10. FIELD AND POOL, OR WILDCAT

MEXICAN HAT

8. FARM OR LEASE NAME

LOUISE FEDERAL

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NONE

7. UNIT AGREEMENT NAME

NONE

5. LEASE DESIGNATION AND SERIAL NO.

U-22899

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

ON PLAT

22. APPROX. DATE WORK WILL START\*

10-01-84

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
SURFACE 9"	7 5/8"	20PD.	150'	35 SACKS NEAT
6 3/4"	4 1/2"	17PD.	200'	18 SACKS NEAT

DRILL HOLE WITH SPUD MUD TO SET 7 5/8" SURFACE CASING. DRILL 6 3/4" HOLE WITH AIR TO TD. ESTIMATED DEPTH - GOODRIDGE 1200' PLUS.

THIS IS KNOWN AS A LOW PRESSURE AREA. ADEQUATE BLOWOUT PREVENTION EQUIPMENT WILL BE USED.

RECEIVED

NOV 01 1984

DIVISION OF OIL  
GAS & MINING

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

SIGNED

*G. R. Dickinson*

TITLE

*Operator*

DATE

10-15-84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Kenneth V. Rhea

TITLE

Acting DISTRICT MANAGER

DATE

24 OCT 1984

CONDITIONS OF APPROVAL ATTACHED

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

\*See Instructions On Reverse Side

COMPANY SAN JUAN MINERALS CO.

G. R. DICKERSON, OPERATOR

LEASE LOUISE FEDERAL WELL NO. 4

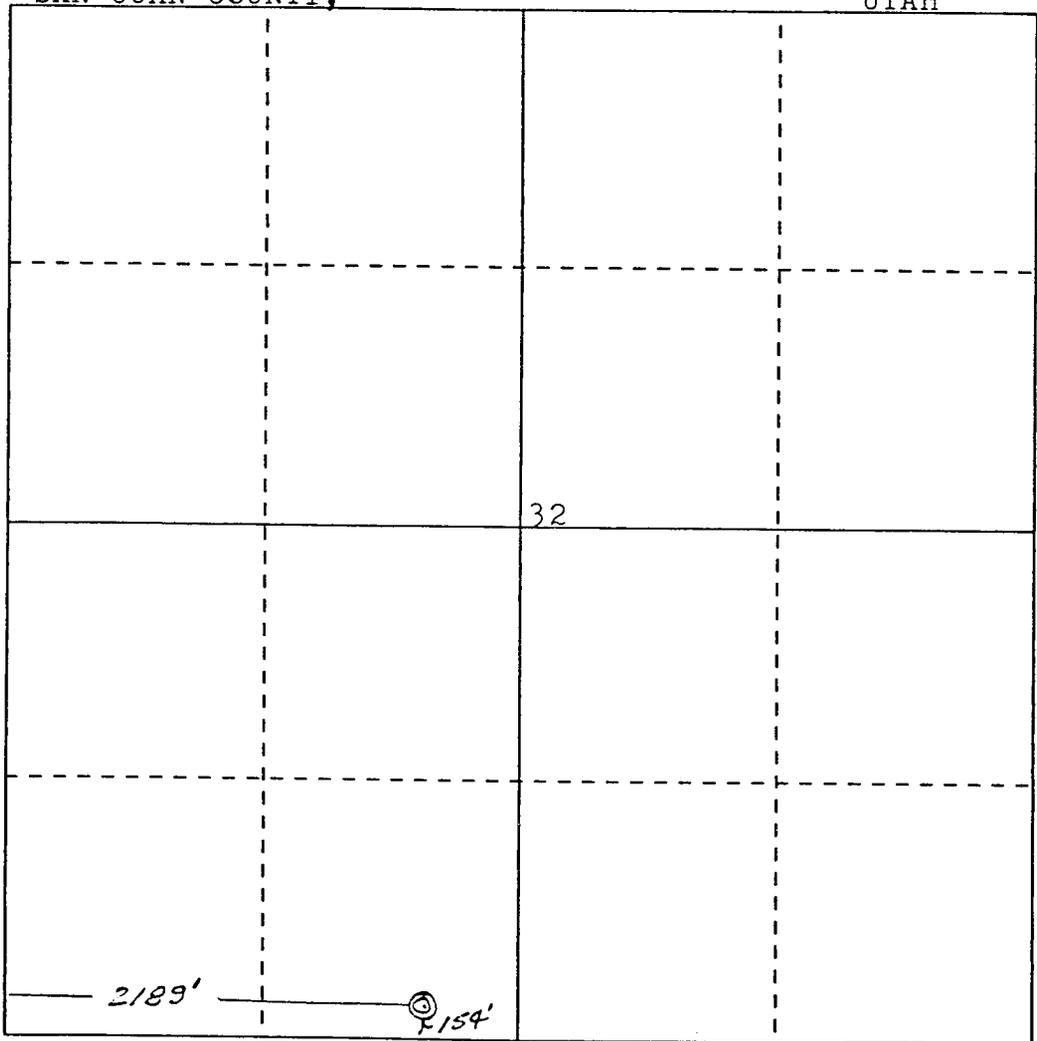
SEC. 32 T. 41 SOUTH R. 19 EAST, SLM

LOCATION 154 FEET FROM THE SOUTH LINE AND  
2189 FEET FROM THE WEST LINE

ELEVATION 4283 UNGRADED GROUND

SAN JUAN COUNTY,

UTAH



SCALE - 1 INCH EQUALS 1000 FEET

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

*James P. Leese*  
Registered Land Surveyor.

James P. Leese  
UTAH REG. #1472

SURVEYED August 31, 19 84

Louise Fed # 4  
U-22899  
T41S, R19E, S32  
UT-069-85-12X

## APD Stipulations

There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

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

The spud date will be reported orally to the San Juan Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5) will be sent w/in 24 hours after spudding, reporting the spud date and time. The Sundry will be sent to the District Manager. If the spudding is on a weekend or holiday, the Sundry will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations," starting with the month in which operations begin and continue each month until the well is physically plugged and abandoned. This report will be sent to the BLM District Office, P.O. Box 970, Moab, Utah 84532.

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

If a replacement rig is planned for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergencies, verbal approval can be given by the District Petroleum Engineer.

If the well is successfully completed for production, then the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 business days following the date on which the well is placed on production.

No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergencies, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5), will be filed with the District Manager, within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration.

Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the San Juan Area Manager, or the appropriate surface manager.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently beaded-on with a welding torch: Fed, Well number, location by  $\frac{1}{4}$  section, township and range, Lease number.

This permit will be valid for a period of one year from the date of approval. After permit termination a new application will be filed for approval for any future operations.

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

BMIT IN TRIPPLICATE\*  
(Other instructions on reverse side)

3

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.)

5. LEASE DESIGNATION AND SERIAL NO.  
U-22899

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Mexican Hat Federal

9. WELL NO.  
*Louise Fed #4*

10. FIELD AND POOL, OR WILDCAT  
Mexican Hat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
41 S. 19 E. 30

12. COUNTY OR PARISH 13. STATE

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
APA Development, Inc.

3. ADDRESS OF OPERATOR  
P.O. Box 215, Cortez, Colorado 81321

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

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)

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"/>	(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.)

Mexican Hat Federal #4 - Testing API #43-037-31092

Mexican Hat Federal #9 - Testing API #43-037-31094

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

SIGNED *Prada Hernandez* TITLE OFFICE MANAGER DATE 8-30-85

(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

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: UTAH  
SERIAL NO.: U-22899

RECEIVED

and hereby designates

DEC 13 1985

NAME: Howell Oil Co.  
ADDRESS: 60 N. Main, Blanding, Utah 34511

DIVISION OF OIL  
GAS & MINING

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

Lots 3,4,5 and 6 Sec 32, 41S, 19E  
S.E. quarter of South west quarter #4, #9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20  
N.E. quarter of N.E. quarter all in sec 32  
41S, 19E  
Containing 149.51 acres more or less

Louise Fed. #4

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

*Jack Williams for San Juan Minerals Exp. Co.*  
(Signature of lessee)

12-11-85  
(Date)

At: Box 57, Blythe Calif  
(Address) 92225

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and thereto does not require OMB approval.



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

January 2, 1986

Bureau of Land Management  
Branch of Fluid Minerals  
P O Box 970  
Moab, Utah 84532

Attention: Ms. Carol Fruediger

Dear Carol:

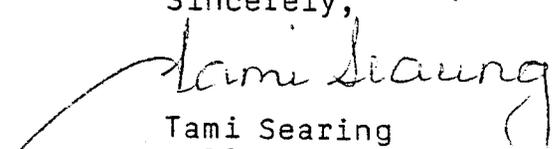
Re: Well No. Louise Federal #4 - Sec. 32, T. 41S, R. 19E  
San Juan County, Utah - U-22899  
Operator of Record: San Juan Minerals Exploration Co.

The above referenced well in your district was given federal approval to drill October 24, 1984. This office has not received notification of any activity on this location.

Please let me know what action, if any, the Bureau of Land Management is taking on this well.

Thank you for your help in keeping our records up to date.

Sincerely,

  
Tami Searing  
Well Records Specialist

cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
File

0320/10



# United States Department of the Interior

3162 (U-065)

## BUREAU OF LAND MANAGEMENT

Moab District  
P. O. Box 970  
Moab, Utah 84532

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

JAN 24 1986

Attn: Ms. Tami Searing, Well Records Specialist

Re: Requests for Status of Wells

Dear Ms. Searing:

We are replying to your requests for status on the following wells:

- 1) Seeley Oil Company  
Well No. Federal 6-14  
Sec. 6, T. 16 S., R. 13 E.  
Lease U-25861

We are in the process of rescinding this APD.

- 2) Otis Energy Incorporated (Earth Resources Corporation)  
Well No. Bull Canyon Federal 3  
Sec. 9, T. 20 S., R. 21 E.  
Lease U-5675

We are enclosing correspondence from Earth Resources Corporation and Grand Resource Area pertaining to this well.

- 3) Wesgra Corporation  
Well No. San Juan Federal 16  
Sec. 8, T. 42 S., R. 19 E.  
Lease U-23761-A

This well was spudded 5/17/84. We are requesting a Well Completion Report.

- 4) San Juan Minerals Exploration Company  
Well No. Louise Federal 4  
Sec. 32, T. 41 S., R. 19 E.  
Lease U-22899

This well was spudded 8/1/85. We are requesting a Well Completion Report.

RECEIVED

JAN 27 1986

DIVISION OF OIL  
GAS & MINING

- 5) Louis A. Chase and Sydney Grossman  
Well No. Chase-Grossman 1  
Sec. 31, T. 19 S., R. 24 E.  
Lease U-012362-B

This well is temporarily shut-in by approved Sundry Notice dated 7/16/85. Operator is shown as Master Petroleum and Development Co., Inc.

- 6) Milestone Petroleum  
Well No. Navajo Federal 4-3  
Sec. 4, T. 39 S., R. 25 E.  
Lease U-52333

Milestone Petroleum has had a name change 7/19/85 to Meridian Oil, Inc. They requested we rescind this application but due to surface disturbance we are holding for successful reclamation.

- 7) Ari-Mex Oil & Exploration Company  
Well No. Staley Federal 4-20-24 #1  
Sec. 4, T. 20 S., R. 24 E.  
Lease U-15054

Well was never drilled but pad was built, we are waiting for successful rehabilitation of the pad.

- 8) F. L. Energy Corporation  
Well No. Alker Federal 1-11  
Sec. 11, T. 15 S., R. 12 E.  
Lease U-52626

Company requested that we do not rescind their APD. See enclosed correspondence.

- 9) F. L. Energy Corporation  
Well No. Alker Federal 1-15  
Sec. 15, T. 15 S., R. 12 E.  
Lease U-52626

This well was reapproved 10/18/85. We will start proceedings to rescind 10/18/86 and at the same time we will rescind well no. 1-11 also. See enclosed correspondence.

- 10) TXO Production Corp.  
Well No. Little Berry State "A" 1  
Sec. 10, T. 16 S., R. 23 E.

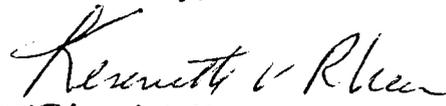
SS Indemnity List "IL 277".  
Federal government does not permit APD on state land with state minerals.

11) TXO Production Corp.  
Well No. Little Berry State "A" 2  
Sec. 11, T. 16 S., R. 23 E.

SS Indemnity List "IL-277"  
Federal government does not permit APD on state land with  
state minerals.

If you have any questions, please contact the Branch of Fluid Minerals  
(801) 259-6111.

Sincerely,



ACTING District Manager

Enclosures (3):  
Misc. Documents

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

**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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR APA Development, Inc.</p> <p>3. ADDRESS OF OPERATOR P.O. Box 215, Cortez, Colorado 81321</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 154' FSL &amp; 2189 FWL Same</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. Federal Lease #U-22899</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Mexican Hat Federal</p> <p>9. WELL NO. #4</p> <p>10. FIELD AND POOL, OR WILDCAT Mexican Hat</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 32-T41S-R19E</p> <p>12. COUNTY OR PARISH San Juan</p> <p>13. STATE UT</p>
<p>14. PERMIT NO. 43-037-31092</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4283 Ungraded Ground</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"/>	FULL 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"/>	
(Other) Change of Operator <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.)\*

As of 11-14-85, Operator is: Howell Oil Company  
60 North Main  
Blanding, Utah 84511

RECEIVED

MAR 10 1986

DIVISION OF  
OIL, GAS & MINING

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

SIGNED Wanda J. Hamu TITLE: Secretary DATE: 3/5/86

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

**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.)

5. LEASE DESIGNATION AND SERIAL NO.  
Federal Lease #U-22899

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Mexican Hat Federal

9. WELL NO.  
#4

10. FIELD AND POOL, OR WILDCAT  
Mexican Hat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 32-T41S-R19E

12. COUNTY OR PARISH  
San Juan

18. STATE  
UT

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
APA Development, Inc.

3. ADDRESS OF OPERATOR  
P.O. Box 215, Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface 154' FSL & 2189 FWL  
Same

14. PERMIT NO.  
43-037-31092

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4283 Ungraded Ground

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"/>	(Other) _____ <input type="checkbox"/>
(Other) Change of Operator <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.)\*

As of 11-14-85, Operator is: Howell Oil Company  
60 North Main  
Blanding, Utah 84511

**RECEIVED**  
MAR 10 1986

DIVISION OF  
OIL, GAS & MINING

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

SIGNED Pedro J. Geomano TITLE Secretary DATE 3/5/86

(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~~

**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 Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Howell Oil Co.

3. ADDRESS OF OPERATOR  
P.O. Box 14, Mexican Hat, Utah 84531

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON\*
- (other) plugged

SUBSEQUENT REPORT OF:

- 
- 
- 
- 
- 
- 
- 
- 

5. LEASE U-22899
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Mexican Hat Federal
9. WELL NO. four
10. FIELD OR WILDCAT NAME Mexican Hat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 32, 41S, 19E
12. COUNTY OR PARISH San Juan
13. STATE Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

Filled hole with cement from top to bottom  
run pipe in hole and started pumping 5 ft off of bottom  
depth 340'

RECEIVED  
APR 25 1986

DIVISION OF  
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED McKeen TITLE V-P DATE 4-3-86

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

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

\*See Instructions on Reverse Side

DATE 5-5-86  
BY John R. Boye



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

September 9, 1986

RETURN RECEIPT REQUESTED  
P 168 903 931

## 2nd NOTICE

Howell Oil Company  
60 North Main  
Blanding, Utah 84511

Gentlemen:

Re: Well No. Louise Federal #4 - Sec. 32, T. 41S, R. 19E  
San Juan County, Utah - API #43-037-31092

Rule 312 of the Oil and Gas Conservation General Rules requires that Form DOGM-3 "Well Completion or Recompletion Report and Log", along with copies of logs and tests run, be filed with this office not later than 90 days after well completion and/or plugging procedure.

Please complete and return the enclosed Form DOGM-3 or the equivalent federal form including copies of logs and tests which may have been run on the referenced well to the address listed below, at your earliest convenience, but not later than September 30, 1986.

Utah Division of Oil, Gas, and Mining  
Attention: Suspense File - Norm Stout  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout  
Records Manager

ts  
cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
Well File  
Suspense File  
0448S/10



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

August 11, 1986

RETURN RECEIPT REQUESTED  
P 168 903 924

→ 2nd file

Howell Oil Company  
60 North Main  
Blanding, Utah 84511

Gentlemen:

Re: Well No. Louise Federal #4 - Sec. 32, T. 41S, R. 19E  
San Juan County, Utah - API #43-037-31092

Rule 312 of the Oil and Gas Conservation General Rules requires that Form DOGM-3 "Well Completion or Recompletion Report and Log", along with copies of logs and tests run, be filed with this office not later than 90 days after well completion and/or plugging procedure.

Please complete and return the enclosed Form DOGM-3 or the equivalent federal form including copies of logs and tests which may have been run on the referenced well to the address listed below, at your earliest convenience, but not later than August 27, 1986.

Utah Division of Oil, Gas, and Mining  
Attention: Suspense File - Norm Stout  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout  
Records Manager

ts  
cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
Well File  
Suspense File  
0448S/10

- **SENDER:** Complete Items 1, 2, 3, and 4.  
Add your address in the "RETURN TO" space on reverse.

**(CONSULT POSTMASTER FOR FEES)**

1. The following service is requested (check one).
- Show to whom and date delivered ..... \_\_\_\_\_ c
- Show to whom, date, and address of delivery .. \_\_\_\_\_ c
2.  **RESTRICTED DELIVERY** ..... \_\_\_\_\_ c  
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ \_\_\_\_\_

**3. ARTICLE ADDRESSED TO:**

Howell Oil Co.  
60 North Main  
Blanding, Utah 84511

**4. TYPE OF SERVICE:**

- REGISTERED       INSURED
- CERTIFIED       COD
- EXPRESS MAIL

**ARTICLE NUMBER**

P46890393

**(Always obtain signature of addressee or agent)**

I have received the article described above.

SIGNATURE  Addressee       Authorized agent**5. DATE OF DELIVERY**

9-12-86

**POSTMARK**  
(may be on reverse side)**6. ADDRESSEE'S ADDRESS (Only if requested)****7. UNABLE TO DELIVER BECAUSE:****7a. EMPLOYEE'S INITIALS**

RETURN RECEIPT

Now

**UNITED STATES POSTAL SERVICE**  
**OFFICIAL BUSINESS**



**SENDER INSTRUCTIONS**

Print your name, address, and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested"
- adjacent to number.

**PENALTY FOR PRIVATE  
USE, \$300**

**RETURN  
TO**



**STATE OF UTAH**  
**NATURAL RESOURCES**  
**OIL, GAS, & MINING**  
(Street or P.O. Box)  
**3 TRIAD CENTER, SUITE 350**  
**SALT LAKE CITY, UTAH 84180-1203**  
(City, State, and ZIP Code)

P 168 903 931

# RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

Sent to Howell Oil Co.	
Street and No. 60 North Main	
P.O., State and ZIP Code Blanding, Utah 84511	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$

Postmark or Date



Howell

UNITED STATES POSTAL SERVICE  
OFFICIAL BUSINESS

RECEIVED



AUG 18 1986

**SENDER INSTRUCTIONS**

Print your name, address, and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

DIVISION OF  
OIL, GAS & MINING

PENALTY FOR PRIVATE  
USE, \$300

RETURN TO

\_\_\_\_\_  
(Name of Sender)  
STATE OF UTAH  
\_\_\_\_\_  
NATURAL RESOURCES  
(No. and Street, Apt., Suite, P.O. Box or R.D. No.)  
OIL, GAS, & MINING  
\_\_\_\_\_  
3 TRIAD CENTER, SUITE 350  
(City, State, and ZIP Code)  
SALT LAKE CITY, UTAH 84180-1203

PS Form 3811, July 1983 447-845

**SENDER: Complete items 1, 2, 3 and 4.**

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- 1.  Show to whom, date and address of delivery.
- 2.  Restricted Delivery.

**3. Article Addressed to:**

Howell Oil Company  
60 North Main  
Blanding, Utah 84511

**4. Type of Service:**

**Article Number**

- Registered
- Certified
- Express Mail
- Insured
- COD

P 168 903 924

Always obtain signature of addressee or agent and **DATE DELIVERED.**

**5. Signature - Addressee**

X

**6. Signature - Agent**

X

*[Handwritten signature]*

**7. Date of Delivery**

8-15-86

**8. Addressee's Address (ONLY if requested and fee paid)**

→ address correct

DOMESTIC RETURN RECEIPT

nom

UPRR 9-2

- 1- WE HAVE ALL WE NEED TO FULLY PROCESS AS P<sup>1</sup>/<sub>3</sub>A. ROUTE FOR FILMING, POSTING ETC.
- 2- INCLUDE ON MONTHLY WCR AS APPROPRIATE

ALHAMI POINT 1-9

- 1- FULL P<sup>1</sup>/<sub>3</sub>A PROCESSING
- 2- PLACE ON CUBING WCR MASTER LIST
- 3- TELEPHONICALLY REQUEST WCR + LBS

LOUISE FED 4

- 1- FULL P<sup>1</sup>/<sub>3</sub>A PROCESSING & FILMING
- 2- CHANGE ALL PHYSICAL & AVIL RECORDS TO "MEXICAN HAT FED #4"
- 3- PROCESS ATTACHED WCR... PDR AS IT IS.

FED 4-33

- 1- FULL REPROCESSING BACK TO TA
- 2- ALL DOCUMENTS IN SINGLE FILE

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

SUBMIT IN DUPLICATE\*  
(See other instructions  
on reverse side)

56 64 01

052205

4

5. LEASE DESIGNATION AND SERIAL NO.

U-22899

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

MEXICAN HAT FED

9. WELL NO.

#4

10. FIELD AND POOL, OR WILDCAT

MEXICAN HAT

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

32-T415, R19E

12. COUNTY OR PARISH

SAN JUAN

13. STATE

UT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR  
HOWELL OIL CO

3. ADDRESS OF OPERATOR  
PO BOX 14, MEXICAN HAT UT 84531

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 154 FSL 2189 FWL

At top prod. interval reported below (KNOWN EARLIER AS LOUISE FED #4)

At total depth

14. PERMIT NO. 43-037-31092 DATE ISSUED 10-24-84

15. DATE SPUNDED 8-1-85 16. DATE T.D. REACHED UNK 17. DATE COMPL. (Ready to prod.) P&A REPORTED 4-3-86 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* - 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 340' MD 21. PLUG. BACK T.D., MD & TVD - 22. IF MULTIPLE COMPL., HOW MANY\* - 23. INTERVALS DRILLED BY - ROTARY TOOLS - CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* NONE 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN NONE 27. WAS WELL CORRED. NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
	UNK				

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) NONE

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

DATE FIRST PRODUCTION: N/A PRODUCTION METHOD: \_\_\_\_\_ WELL STATUS: (Producing or shut-in) P&A REPORTED 4-3-86

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

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

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

35. LIST OF ATTACHMENTS ADMINISTRATIVELY PREPARED BY DOBEN FROM WELL RECORD EFFORTS TO OBTAIN WCR FROM OPERATOR HAVE FAILED.

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

SIGNED \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 4-20-87

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

Howell