

UTAH OIL AND GAS CONSERVATION COMMISSION

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

DATE FILED **8-28-91**

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

DRILLING APPROVED: **9-24-91 (CAUSE NO. 156-3)**

SPUDDED IN:

COMPLETED: **1-28-93 LA** PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: **LA'D APD EXPIRED EFF. 1-28-93**

FIELD: **MEXICAN HAT**

UNIT:

COUNTY: **SAN JUAN**

WELL NO. **NORDEEN 92-1** API NO. **43-037-31654**

LOCATION **100' FNL** FT. FROM (N) (S) LINE. **2500' FEL** FT. FROM (E) (W) LINE. **NW NE** 1/4 - 1/4 SEC. **7**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
42S	19E	7	SAN JUAN MINERALS EXPL.				

PAGE 3  
DONE

FORM 3

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

3. Lease Designation and Serial No.  
fee

6. If Indian, Aljottee or Triba Name

7. Unit Agreement Name

8. Farm or Lease Name  
Nordeen

9. Well No.  
92-1

10. Field and Pool, or Wildcat *Mexican Hat*  
undesignated *Hat 410*

11. 00, Sec., T., R., N., or S., and Survey or Area  
Sec 7 T 42 S R 19 E SLM

12. County or Parrish  
San Juan

13. State  
UT

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 Co.

3. Address of Operator  
10970 Williams Avenue Blythe, CO 92225

4. Location of Well (Report location clearly and in accordance with any State requirements.)  
At surface  
100' F/NL and 2500' F/EL  
At proposed prod. zone

RECEIVED  
AUG 28 1991  
NWNE

14. Distance in miles and direction from nearest town or post office\*  
3 miles

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest driz. line, if any)  
100'

16. No. of acres in lease  
907

17. No. of acres assigned to this well  
2 1/2

18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.  
250'

19. Proposed depth  
450

20. Rotary or cable tools  
rotary

21. Elevations (Show whether DF, RT, GR, etc.)  
4193gr

22. Approx. date work will start\*  
October

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
9 7/8"	8 5/8	24 pd	30'	7 sacks
7 1/4"	5 1/2	17 pd	425'	25 sacks

TECHNICAL REVIEW  
Engr. *JAD* 9/24/91  
Geol. *D* 9/20/91  
Surface *BA* 9/20/91

Propose to drill and test.

Estimated depth of anticipated water or oil - 400'

Pressure equipment - none. Zone is shallow and carries very little or no gas

Circulating medium - air and foam.

No abnormal pressures or temperatures - no hydrogen sulfide.

Jack Williams 619 922 2222 or 619 922 2278.

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

24. I hereby certify that this report is true and complete to the best of my knowledge.  
Signed: *Bill Johnson* Title: Secretary Date: 8-12-91

(This space for Federal or State office use)

API NO. *43-037-311054*

Approval Date

Approved by: \_\_\_\_\_ Title: \_\_\_\_\_

Conditions of approval, if any:

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
DATE: *9/24/91*  
BY: *JAD Matthews*  
WELL SPACING: *156-3*

*Nardeen*

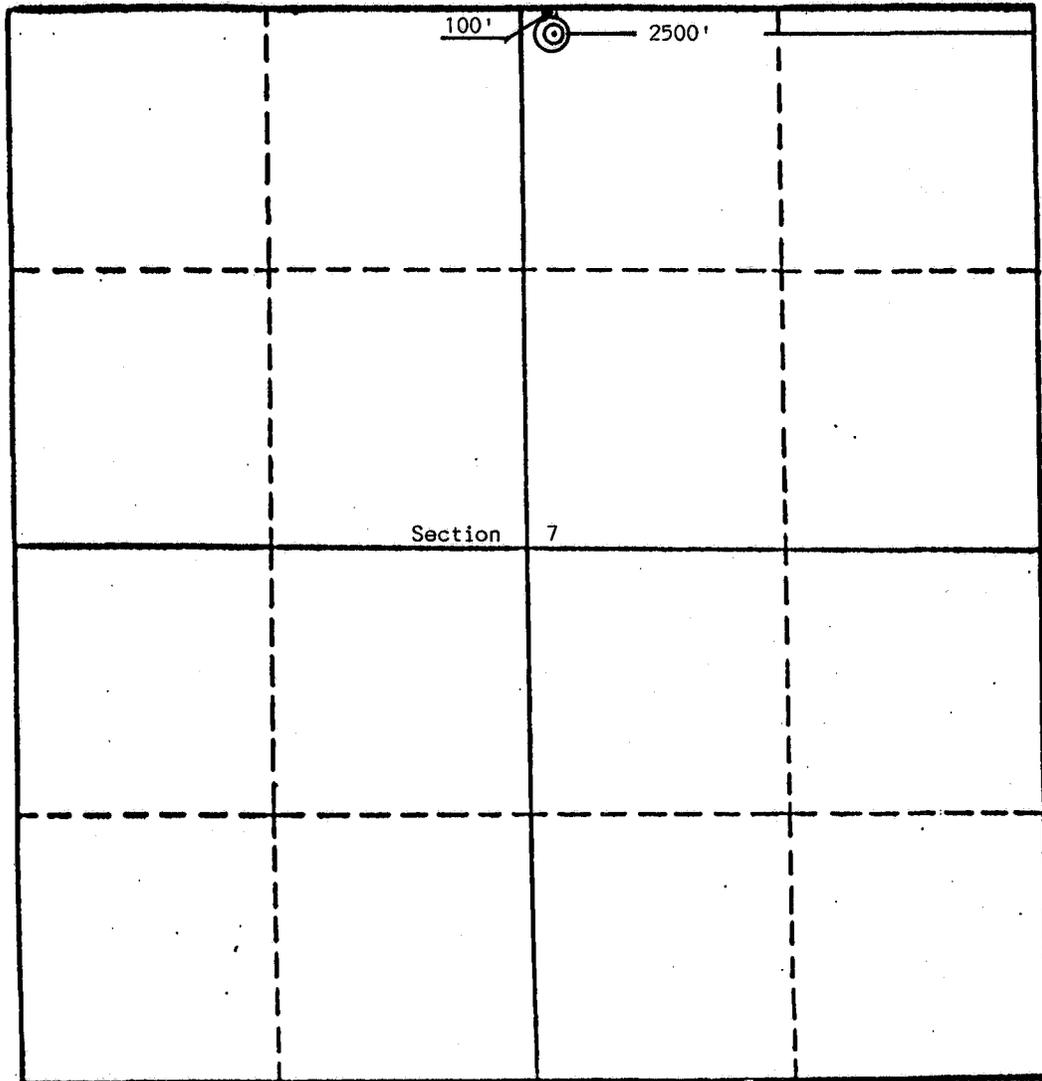
Company San Juan Minerals and Exploration Company

Well Name & No. 92-1

Location 100' F/NL 2500' F/EL

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

Ground Elevation 4193



Scale, 1 inch = 1,000 feet

Surveyed February 7, 1991

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

Seal:



*Edgar L. Risenhoover*

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

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





S.J.

92-1

ONSITE PREDRILL INSPECTION FORM

Picture #2

COMPANY San Juan Minerals WELL NO. 92-1

LOCATION: SECTION 7 TOWNSHIP 42S RANGE 19E COUNTY S/T

LEASE NO. \_\_\_\_\_ ONSITE INSPECTION DATE 9/22/91 9<sup>30</sup> AM

(A) PERSONS IN ATTENDANCE Geo Petty

(B) SURFACE FORMATION AND CHARACTERISTICS Sand Clay

(C) BRIEF DESCRIPTION OF VEGETATION Grease wood

(D) ARCHAEOLOGICAL CLEARANCE: YES OR NO Fee

(E) DESCRIPTION OF TOPOGRAPHY (drainages, slope, roads, etc.) Rd. 20' to No. of Loc. Sewer Pond 150' so.

(F) CONDITIONS FOR APPROVAL:  
PIT LINING (YES OR NO) NO  
TYPE OF LINING IF NEEDED \_\_\_\_\_

ADDITIONAL REQUIREMENTS 50' x 50' Loc.

SIGNATURE: MM

TITLE inspector

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

---

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

---

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

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

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

FINDINGS OF FACT

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

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

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

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

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

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

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

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

O R D E R

IT IS THEREFORE ORDERED:

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

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

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

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

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

ENTERED AND EFFECTIVE this 15<sup>th</sup> day of April, 1980.

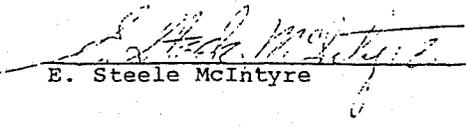
BOARD OF OIL, GAS AND MINING OF  
THE STATE OF UTAH

\_\_\_\_\_  
Charles R. Henderson

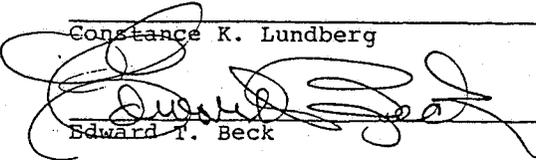
\_\_\_\_\_  
John L. Bell

\_\_\_\_\_  
Thadeus W. Box

\_\_\_\_\_  
C. Ray Juvelin

  
E. Steele McIntyre

Constance K. Lundberg

  
Edward T. Beck

OPERATOR San Juan Minerals, N-0810 DATE 9-03-91

WELL NAME Norden 90-1

SEC 405 T 7 R 19E COUNTY San Juan

43-037-31054  
API NUMBER

fee (4)  
TYPE OF LEASE

CHECK OFF:

- PLAT.
- BOND  
50,000  
490E86TA
- NEAREST WELL
- LEASE
- FIELD  
SLBM
- POTASH OR OIL SHALE

PROCESSING COMMENTS:

falls within spacing guidelines

water permit

Permit 9-4-91 (Geology revised 9-03-91)

APPROVAL LETTER:

SPACING:  R615-2-3 N/A  R615-3-2  
UNIT

150-3 4-15-80  R615-3-3  
CAUSE NO. & DATE

STIPULATIONS:

water permit

fee stipulation



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

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

September 24, 1991

San Juan Minerals Exploration Company  
10970 Williams Avenue  
Blythe, California 92225

Gentlemen:

Re: Nordeen 92-1 Well, 100 feet from the North line, 2500 feet from the East line, NW NE, Section 7, Township 42 South, Range 19 East, San Juan County, Utah

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

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriation.
2. San Juan Minerals Exploration Company, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.

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

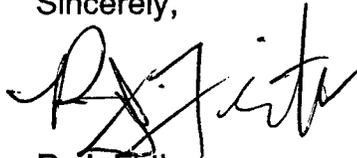
1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.

Page 2  
San Juan Minerals Exploration Company  
Nordeen 92-1  
September 24, 1991

4. Prompt notification in the event it is necessary to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801) 538-5340, (Home) (801) 476-8613, or R. J. Firth, Associate Director, (Home) (801) 571-6068.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31654.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

tas  
Enclosures  
cc: Bureau of Land Management  
J. L. Thompson  
we14/1-4



# 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

January 28, 1993

San Juan Minerals Exploration Company  
10970 Williams Ave.  
Blythe, California 92225-9414

Gentlemen:

Re: Nordeen 92-1 Well, Sec. 7, T. 42S, R. 19E, San Juan County, Utah  
API No. 43-037-31654

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

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

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

Sincerely,

Don Staley  
Administrative Supervisor  
Oil and Gas

DME/lc  
cc: R.J. Firth  
Well file  
WOI219