

UTAH OIL AND GAS CONSERVATION COMMISSION

2

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

Application 4.27.85

DATE FILED 8-12-83

LAND: FEE & PATENTED STATE LEASE NO. ML-27749 PUBLIC LEASE NO. INDIAN

DRILLING APPROVED: 8-16-83 GAS CAUSE # 102-16B

SUDDEN IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: 4494' GL

DATE ABANDONED: LA 4.27.85

FIELD: WILDCAT 3/86 Greater Cisco

UNIT:

COUNTY: GRAND

WELL NO. STATE # 2-15 API # 43-019-31095

LOCATION 500' FSL FT. FROM (N) (S) LINE. 1820' FEL FT. FROM (E) (W) LINE. SW SE 1/4 - 1/4 SEC. 2

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				21S	23E	2	ROSS JACOBS

Left a msg with Linda
(303-243-7814) to ask Ross or
Gene to call ref board
and lease map.

Yours
8-15-83

15

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
 Ross Jacobs

3. ADDRESS OF OPERATOR
 2467 Commerce Blvd, Grand Junction, Colo. 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 500' FSL, 1820' FEL, Section 2, T-21S, R-23E, Grand County, Utah
 At proposed prod. zone
 Same

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
 (Also to nearest drlg. unit line, if any)
 500'

16. NO. OF ACRES IN LEASE
 320

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40 (gas)

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 1320'

19. PROPOSED DEPTH
 1000 ft

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4494' GL

5. LEASE DESIGNATION AND SERIAL NO.
 ML-27749 ✓
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 9. WELL NO.
 State 2-15
 10. FIELD AND POOL, OR WILDCAT
 Wildcat
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 S-2, T-21S, R-23E, SLB&M
 12. COUNTY OR PARISH
 Grand
 13. STATE
 Utah

22. APPROX. DATE WORK WILL START*
 August 22, 1983

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	7-5/8"	24 lb	150'	Circ. to surface ✓
6-3/4"	4 1/2"	10.5 lb	TD	30 Sx

Well to be drilled to test the Dakota/Cedar Mountain sand formations for gas. Any gas show encountered will be tested. The well will be drilled with rotary tools, using air for circulation. The surface casing will be set at approximately 150 feet, and cemented with returns to the surface. A blowout preventer with hydraulically operated blind and pipe rams will be installed on top of the surface casing, and a rotating head will be installed on top of the blowout preventer. Fill and kill lines will be connected below the pipe rams. Any gas encountered will be flared at the end of the blowout line. A float valve will be used in the bottom drill collar at all times. A prognosis for this well is attached.

Note: This lease expires August 31, 1983

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

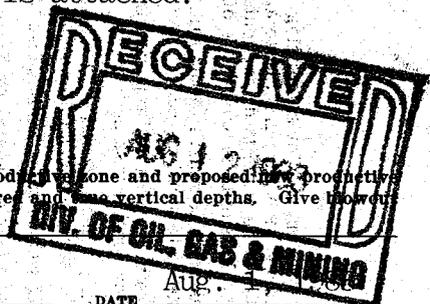
24. SIGNED Ross Jacobs TITLE Operator DATE Aug. 17, 1983

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

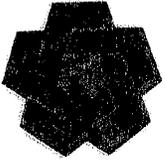
APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:



APPROVED BY THE STATE
 GEORGE W. HENNING
 DIV. OF OIL, GAS & MINING
 DATE 8-16-83
 [Signature]

STATE 2-15 WELL



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

1636 West North Temple • Salt Lake City, UT 84116 • 801-533-6071

July 29, 1983

Thomas D. Harrison
1923 Windgate Drive
Grand Junction, Colorado 81503

RE: Temporary Application 59025 (01-184)

Gentlemen:

Enclosed is a copy of your approved Temporary Application Number 59025 (01-184). This is your authority to construct your works and to divert the water for the uses described.

This application will expire July 1, 1984, and it is expected that no diversion or use of the water will be done after that date unless another proposal has been made and approved.

Your contact with this office, should you need it, is with the Area Engineer, Mark Page. The telephone number is 637-1303.

Yours truly,

A handwritten signature in cursive script that reads "Dee C. Hansen".

Dee C. Hansen, P. E.
State Engineer

DCH:slm

Enclosure

TEMPORARY

Application No. 55025

01-184

APPLICATION TO APPROPRIATE WATER STATE OF UTAH

RECEIVED JUN 21 1983 WATER RIGHTS

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

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

Oil & Gas Drilling

1. Irrigation [] Domestic [] Stockwatering [] Municipal [] Power [] Mining [] Other Uses [X]

2. The name of the applicant is Thomas D. Harrison 1-303-342-5321

3. The Post Office address of the applicant is 1923 Wingate Drive, Grand Junction, CO 81503

4. The quantity of water to be appropriated second-feet and/or 1.0 acre-feet

5. The water is to be used for Drilling from 7/1/83 to 7/1/84 (Major Purpose) (Month) (Day) (Month) (Day)

other use period N/A from to (Minor Purpose) (Month) (Day) (Month) (Day)

and stored each year (if stored) from N/A to (Month) (Day) (Month) (Day)

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

7. The direct source of supply is* Cisco Springs (Name of stream or other source)

which is tributary to Cisco Wash, tributary to

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

8. The point of diversion from the source is in Grand County, situated at a point* in the Southwest quarter of Section 9, Township 20 South, Range 23 East, SLB&M. (N. 100 ft. & E. 1125 ft. from SW Cor. Sec. 4, T20S, R23E, SLB&M.) (4 miles NW of Cisco) Cisco Spr. Quad

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

9. The diverting and carrying works will consist of Pump water into a water truck

10. If water is to be stored, give capacity of reservoir in acre-feet N/A height of dam area inundated in acres legal subdivision of area inundated

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows: N/A

Total Acres

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

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

14. If application is for power purposes, describe type of plant, size and rated capacity. N/A

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

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

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

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

19. If application is for other uses, include general description of proposed uses Water is to be used in support of oil and gas drilling in the Cisco area

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. Township 20 South, Range 23 East, SLB&M, Grand County, Utah

21. The use of water as set forth in this application will consume 1.0 second-feet and/or acre-feet of water and 1.0 second-feet and/or acre feet will be returned to the natural stream or source at a point described as follows: At the various well sites in the above mentioned Township

EXPLANATORY

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

Cisco Springs is located on Federal lands, which are under the jurisdiction of the Bureau of Land Management (U. S. Department of the Interior)

The water would be used only for well drilling purposes.

(See A-55 472 01-135 expired 11/30/81)

(Use page 4 if additional explanatory is needed.)

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

Thomas D. Harrison
Signature of Applicant*

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

DECLARATION OF CITIZENSHIP

STATE OF ~~UTAH~~ Colorado } ss
County of

On the 15th day of June, 1983, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:
October 23, 1985
12 Mount View Dr. (SEAL)
Bend, Oregon 97701

[Signature]
Notary Public

FEEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

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

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

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

STATE ENGINEER'S ENDORSEMENTS

WATER RIGHTS DATA BASE MAP
 ENTERED - DATE 7/15/83 BY [signature]
 VERIFIED - DATE 7/18/83 BY [signature]

1. 6-21-83 Application received ^{by mail} over counter in State Engineer's office by [signature]
2. Priority of Application brought down to, on account of
3. 6-28-83 Application fee, \$15.00, received by [signature] Rec. No. 029410
 Application microfilmed by Roll No.
4. 7-11-83 Indexed by [signature] Platted by
- Application examined by
- Application returned, or corrected by office
- Corrected Application resubmitted ^{by mail} over counter to State Engineer's office.
9. Application approved for advertisement by
10. Notice to water users prepared by
11. Publication began; was completed
 Notice published in
12. Proof slips checked by
13. Application protested by
-
14. Publisher paid by M.E.V. No.
15. Hearing held by
16. Field examination by
17. 7/21/83 Application designated for ^{approval} ~~rejection~~ SG & MP
18. 7/29/83 Application copied or photostated by s.l.m. proofread by
19. 7/29/83 Application ^{approved} ~~rejected~~
20. Conditions:

TEMPORARY

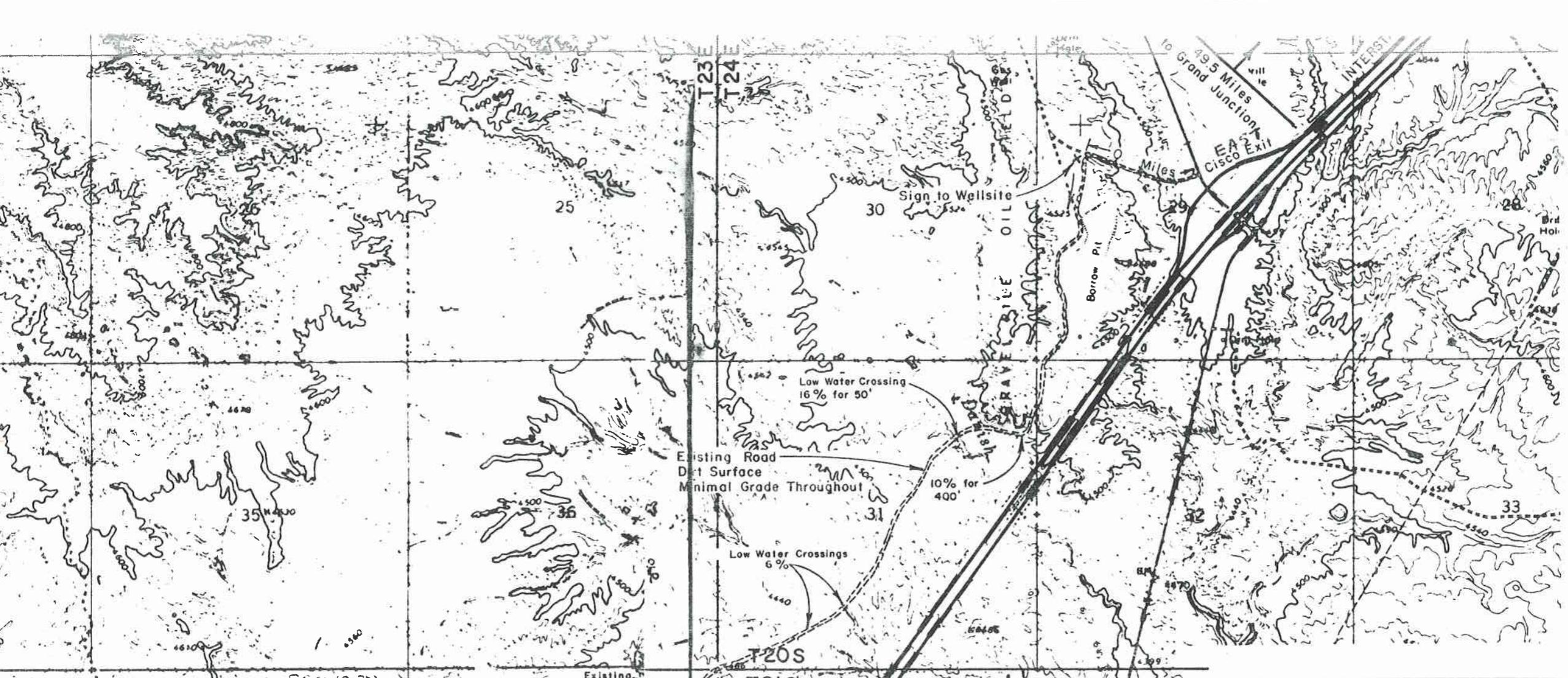
This Application is approved, subject to prior rights, as follows:

- a. Actual construction work shall be diligently prosecuted to completion.
- b. Proof of Appropriation shall be submitted to the State Engineer's office by NPR
- c. TEMPORARY APPROVAL--EXPIRES July 1, 1984.


 Dee C. Hansen, P.E., State Engineer

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

Application No. 59025



ML 27743

ML 27749

GRINDSTAK No. 1

STATE 2-15

ESCONDIDO North

Existing Wellsite

Sign to Wellsite

MSM CONSULTANTS INC.

ENGINEERING • ARCHITECTURE • SURVEYING • PLANNING
 570 West 44th Avenue • Denver, Colorado 80216 • (303) 733-1111

DRAWN BY
 DESIGNED BY
 CHECKED BY
 APPROVED BY

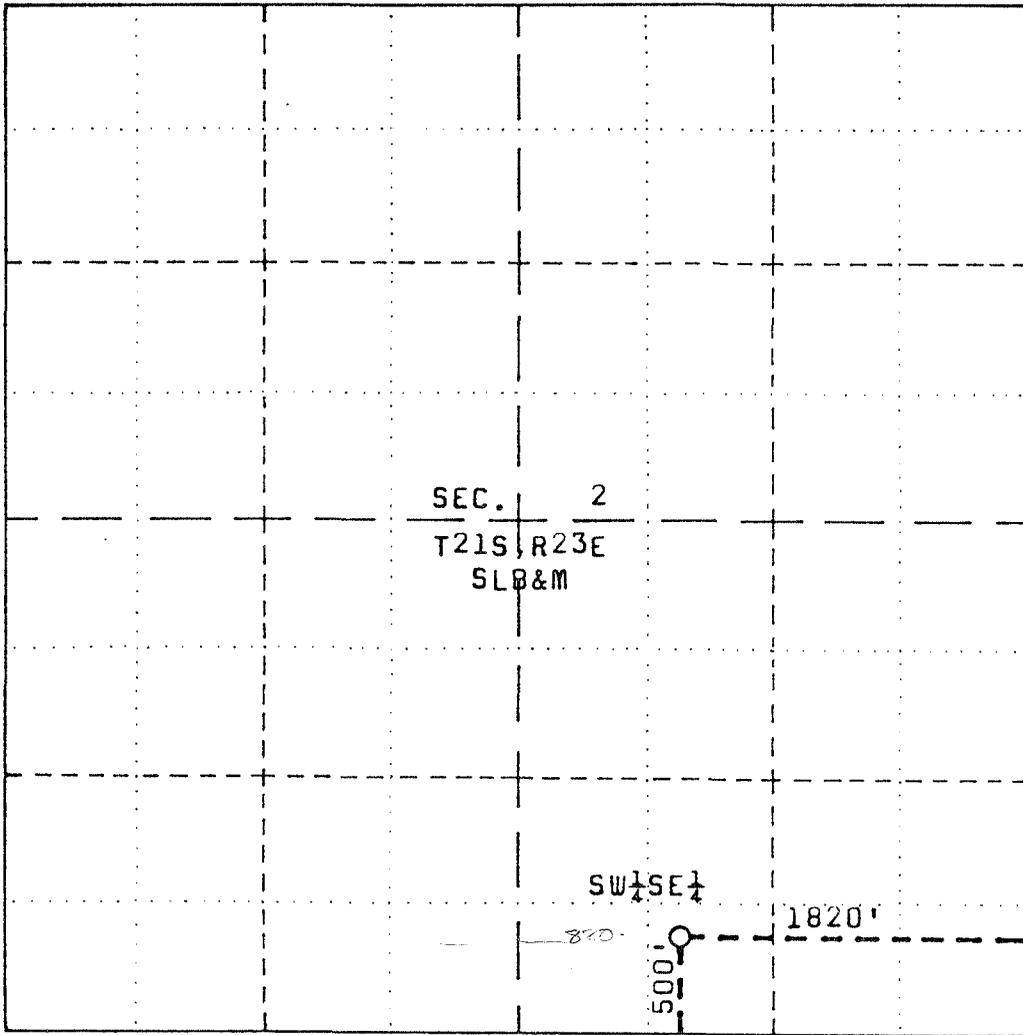
JACOBS DRILLING COMPANY

Drill Hole STATE 2-15 WELL
 Section 2, T21S, R 23E
 Salt Lake P.M., Grand County, Utah

FILE NO

SCALE
 1" = 2000'

SHEET NO
 1 of 1

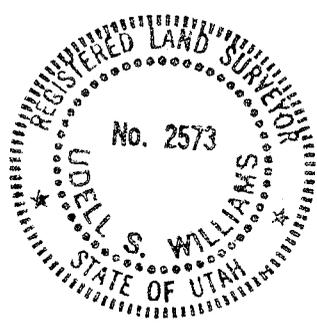


SCALE: 1" = 1000'

STATE #2-15

Located North 500 feet from the South boundary and West 1820 feet from the East boundary of Section 2, T21S, R23E, SLB&M.

RP North 150' = 4519.9 Elev. 4494
 RP South 150' = 4497.9
 RP East 200' = 4484.8 Grand County, Utah
 RP West 200' = 4499.8



SURVEYOR'S CERTIFICATE

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

Udell S. Williams
 UTAH R.L.S. NO. 2573



UDELL S. WILLIAMS

751 Rood Avenue
 GRAND JUNCTION, COLORADO 81501

PLAT OF
 PROPOSED LOCATION

STATE #2-15
 SW 1/4 SE 1/4 SECTION 2
 T21S, R23E, SLB&M

SURVEYED BY: USW DATE: 4/28/83

DRAWN BY: USW DATE: 4/28/83

PROGNOSIS FOR
R. L. JACOBS OIL AND GAS COMPANY

STATE 2-15 WELL

Location: Section 2, Township 21 South, Range 23 East, SLB&M, Grand County, Utah

Elevations: 4494 GL

Surface Casing: 150 ft of 7-5/8" 26lb., K-55. R-3 casing set and cemented with 100 sax cement w/3% CaCl; with returns to surface. The surface hole (12½") will be drilled to 150 ft. depth, with not more than 1° deviation.

Expected Formation Tops:

<u>Formation</u>	<u>Depth to Top</u>	<u>Thickness</u>	<u>Datum</u>
Mancos	Surface	900'	4530'
Dakota	900'	100'	3630'
Cedar Mountain	1000'	90'	3530'
Morrison (Brushy Basin)	1090'	280'	3440'
(salt Wash)	1370'	250'	3160'
Entrada	1700'	---	
Total Depth	1250' ✓		

1. It is planned to drill a 12½" surface hole for the surface casing down to a depth of 150 ft., and set 150 ft. of 7-5/8" casing with approx. 100 sax cement with returns to the surface. A casing head or flange will be mounted on top of the surface casing, and a blowout preventer with blind and pipe rams (hydraulic) will be mounted on the casing head. A rotating head will then be mounted on top of the blowout preventer. A blewie line, at least 125 ft. in length, will then be attached to the rotating head, and extended into the reserve pit. The BOP will be tested to 2000 psi, before drilling below surface casing is begun.
2. A 6-3/4" hole will then be drilled below the surface casing, using air for circulation. A flare will be maintained at 500 ft. and below, to insure that no gas is missed. The air drilling will also minimize the damage to the hydro-carbon resivoir. No toxic gasses have ever been encountered in this area, and none are expected.

3. Samples of the cuttings will begin at 500 ft., with 30 ft. samples being taken from 500 ft. to 800 ft., and then 10 ft. samples will be taken from 800 ft. to Total Depth.
4. It is planned to drill the well to a depth which is approximately 100 ft. below the top of the Cedar Mt formation, unless major commercial flows of gas or oil are obtained above this depth.
5. If a high gas flow (several million CFD) and/or when the total depth of the well is reached, electric logs will be run. ✓ Prior to running logs, high viscosity mud will be pumped into the hole to provide control of the gas and to provide a conductive medium for the logs. A dual inductive laterlog will be run from the bottom to the top of the hole, and a gamma-density and compensated neutron porosity log will be run from the bottom, to a point which is 150 ft. above the top of the Dakota formation.
6. If good production is obtained (over 750 MCFD), ✓ 4½" casing (10.5 lb. K-55) will be run and cemented conventionally, with sufficient R.F.C. cement to cover 200 ft. above the top of the Dakota formation. The production zone will then be perforated, with 2-3/8" tubing run and completed conventionally.
7. It is anticipated that the drilling of the well will require 5 days.

R. L. JACOBS OIL AND GAS COMPANY


Thomas D. Harrison

WELL CONTROL EQUIPMENT FOR
R. L. JACOBS OIL & GAS COMPANY

STATE 2-15 WELL

GRAND COUNTY, UTAH

The following control equipment is planned for the above designated well:
(See attached diagram)

1. Surface Casing

- A. Hole size for surface casing is 12½"
- B. Setting depth for surface casing is approx. 150 ft.
- C. Casing specs. are: 7-5/8" O.D., K-55, 26 lb, 8 round thd, new or used.
- D. Anticipated pressure at setting depth is approx. 20 psi
- E. Casing will be run using three centralizers and a guide shoe, and will be cemented with approx 100 sax cement, with returns to the surface.
- F. Top of casing will be near ground level.

2. Casing Head

Flange size: 10", A.P.I. Pressure rating: 2000 psi W. P. Series 600; Cameron, OCT, or equivalent; new or used; equiped with two 2" ports with nipples and 2" 2000 psi W.P. ball or plug valves. Casing head and valves set above ground level. Aflange only, may be used on top of the casing, if the BOP is equiped with 2" outlets below the blind rams.

3. Intermediate casing

None.

4. Blowout Preventors:

- A. Double rams; hydraulic; one set of blind rams; one set of rams for 3½" or 4" drill pipe; 10" flange; 2000 psi or greater W.P.; Series 900; equiped with mechanical wheels and rod for back-up; set on top of casing head flange and securly bolted down, and pressure tested for leaks up to 2000 psi. A hydraulically operated hy-drill may be used in place of the above BOP, if equiped with 2" outlets below the rams. BOP will be tested for leaks at 2000 psi prior to drilling below surface casing.
- B. Rotating Head: Grants or equivalent; set on top of the BOP, and bolted securly; complete with kelly drive, pressure lubricator, 3½" or 4" rubber for 2000 psi W.P.; need not have hydril assembly on bottom, if a separate hydril or BOP is used.
- C. Fill and Kill Lines: The fill and kill lines (2" tubing or heavy duty line pipe) are to connected thru the 2" valves on the casing head, and through a manifold to permit ready switching from the fill to kill lines

5. Auxillary Equipment

A float valve is to be used in the bottom drill collar at all times. A safety valve that can be used in the drill pipe will be kept within easy reach on the rig floor at all times.

6. Anticipated Pressures

The shut-in pressures of the Dakota, Cedar Mountain, Morrison, and Entrada formations in the area, at depths of from 500ft. to 1000ft., have been measured at about 250 psi to 350 psi maximum. No toxic gasses have ever been encountered in the area, and none are expected.

7. Drilling Fluids

Air will be used to drill the subject well until water is encountered, then air-soap-water mist will be used to drill the well deeper. In case of excessive caving problems, it may be necessary to convey to mud.

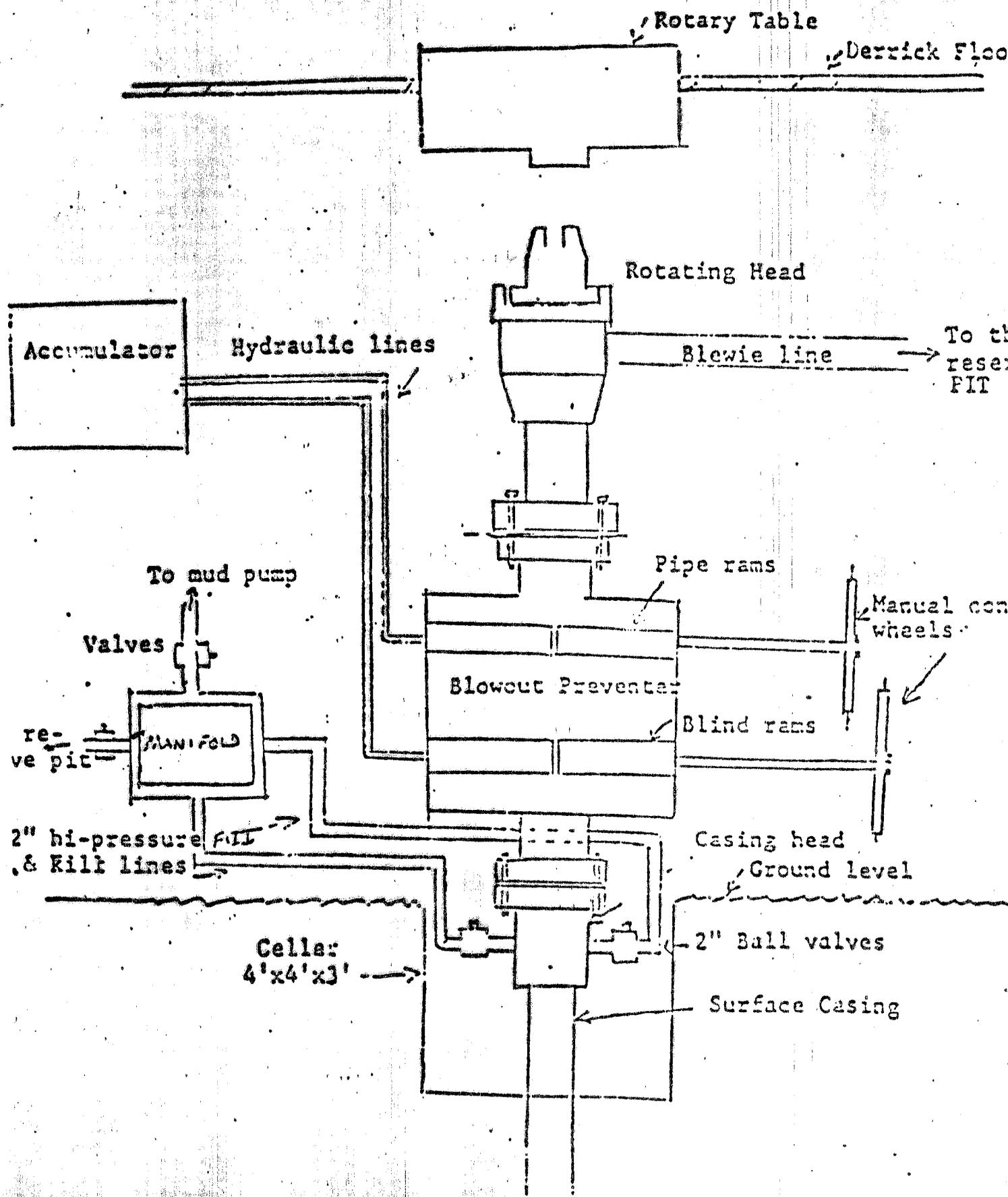
8. Production Casing

- A. Hole size for production casing will be 6-3/4 inch
- B. Approximate setting depth will be 1000 ft. ✓
- C. Casing specs. are: 4 1/2 in O.D.; K-55; 10.5 lb.; 8-rd. thread; new.
- D. If good production is obtained, the casing will be run, with a guide shoe at the bottom and about six centralizers, and cemented conventionally with sufficient R.F.C. cement to cover 200 ft. above the top of the Dakota formation. The production zone will be perforated, and 2-3/8" tubing will be run, with the well completed conventionally. In the event the production is small, it may be desirable to minimize formation damage by keeping all mud and cement off the producing formation. In this event, the procedure outlined below will be used.
- E. Casing will be run with about six centralizers and a cement basket with DV tool set above the production zone. There will be sufficient casing to extend through the production zone below the basket with a blind guide shoe on the bottom. The casing will be cemented above the packer with sufficient cement to cover the Dakota formation with 200 ft. The cement will be allowed to cure for at least 48 hours. The plug can then be drilled out, and the casing perforated below the DV tool. The 2-3/8" tubing will be run and secured in the tubing head prior to perforating.

SCHEMATIC DIAGRAM OF
CONTROL EQUIPMENT FOR THE
R. L. JACOBS OIL & GAS CO.

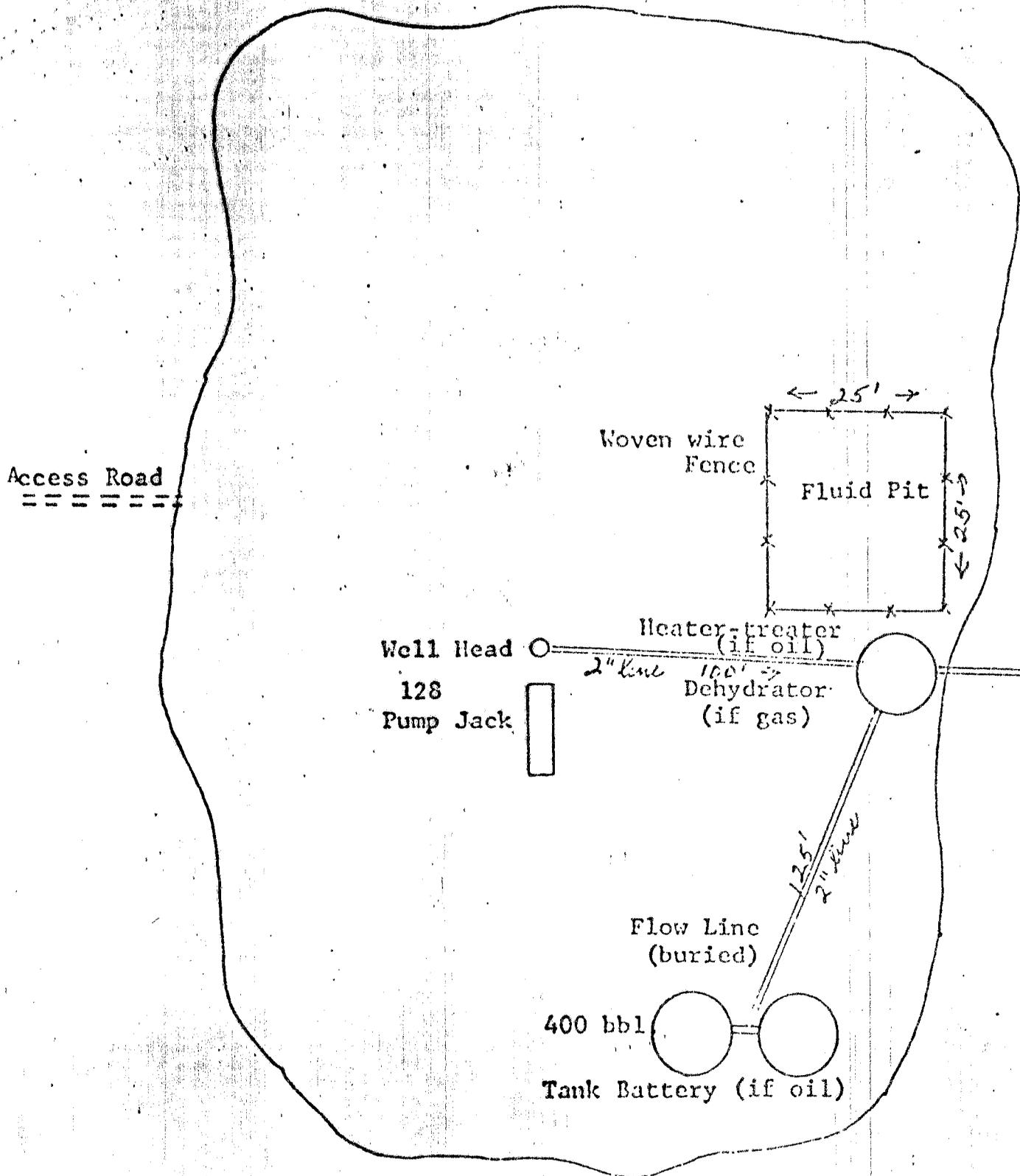
STATE 2-15 WELL

GRAND COUNTY, UTAH



R. L. JACOBS OIL & GAS CO.

STATE 2-15 WELL

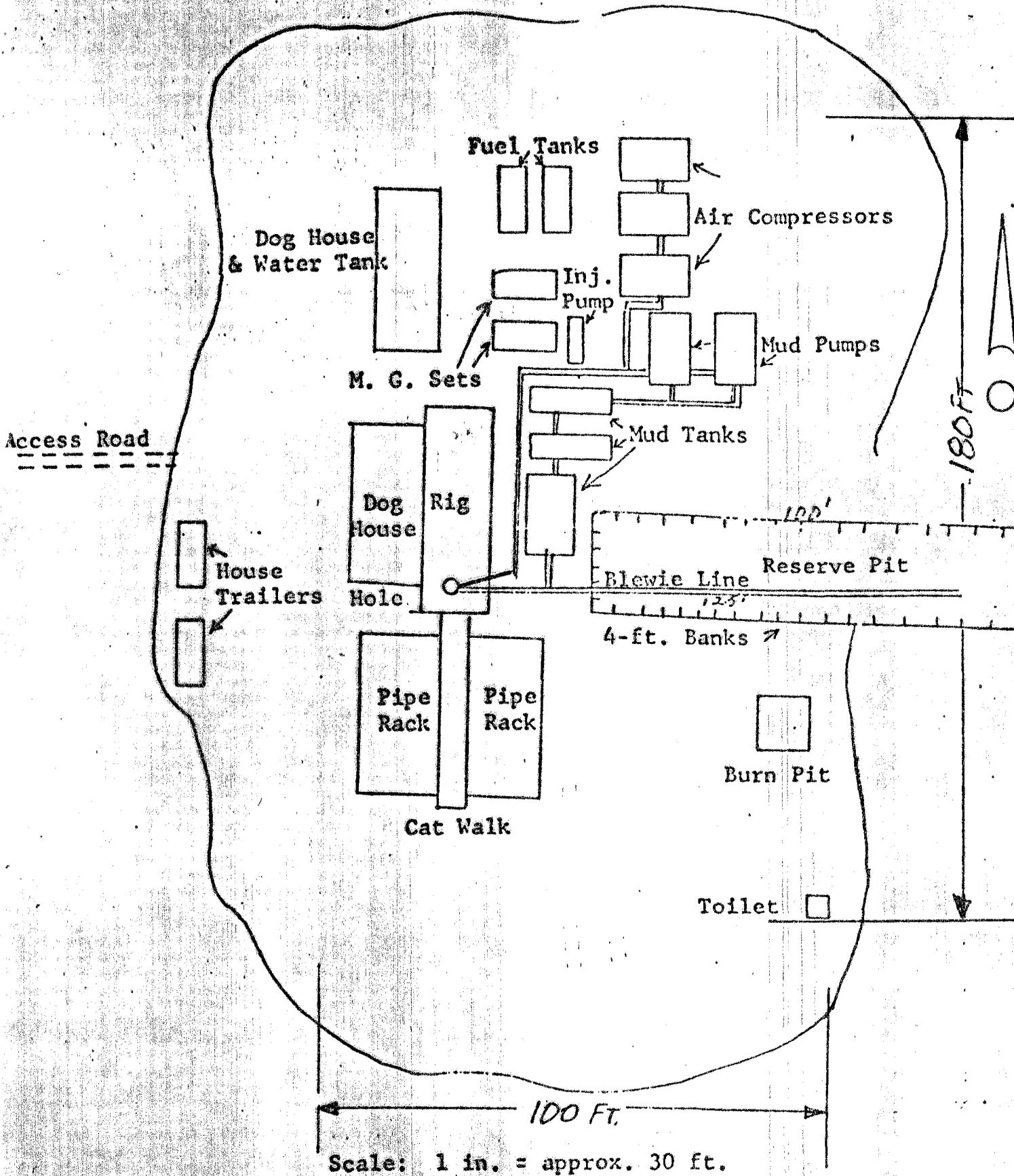


Scale: 1 in. = 30 ft.

Plat No. 2

R. L. JACOBS OIL & GAS CO.

STATE 2-15 WELL



NTL - 6 PLAN REPORT

For

Well Name: STATE 2-15 WELL

Location: Section 2, T-21, R-23E
Grand County, Utah

1. Existing Roads: (See attached Maps)

A. Well Location: (See Plat #1)

Reference Stakes: 200 N-S-E-W

Perimeter Stakes: As above. Stakes outline maximum perimeter of well pad.

B. Route and Distance to Well Site From Reference Point: (See att. maps)

The reference point is located on the main Cisco Springs road at a point 0.3 miles from I-70 turnoff, where the Jacobs road turns to the left. Proceed four miles to the well site.

C. Access Roads (Identify secondary roads to be used): (See att. maps)

Proceed on I-70 36 miles West of Fruita offramp (Exit 19). to the East Cisco offramp. Proceed North 150 feet and take a Left on the Cisco Springs Road. Proceed to the well site as outlined in (B) above. Also, see map of road to wellsite.

D. Roads Within 3 mile Radius: (See att. map.) The main road (first 2 miles) is a county road,

graded, crowned, and ditched. All the other roads around the well site are unimproved and are flat with no drainage provisions. The last 0.3 miles of road is a trail with no improvement. It is on Mancos soil and topography and is on shale and silt in the low areas
Surface type and conditions: and on gravel across the benches. It crosses small washes, and has grades of about 10% on both sides of the wash.

E. Roads Within 1 mile Radius: (See att. map.) See 1-D Above.

The roads within 1-mile of the site are mostly dozed trails (old seis trails) dozed across natural topography and soil. The road base is Mancos shale and soil with some gravel and conglomerate on the bench areas. They are normally about 10 ft. wide.

F. Plans for Road Improvement & Maintenance: The last 0. miles of road will be widened to a maximum disturbed width of 20' and flat-graded with the dirt pushed to the sides.

2. Planned Access Roads: (See att. maps) About 0.3 mi. of new road will be built across fairly level Mancos terrain by blading a path with a bulldozer.

(1) Width: Maximum disturbed width will be 20 ft.

(2) Maximum Grades: 6% or less

(3) Turnouts: None needed

(4) Drainage Design: None needed

(5) Location and Size of Culverts, Cuts, and Fills: None needed

(6) Surfacing Material: The road is across Mancos shale and soil which is composed of gravel and silt. No other material will be used.

(7) Gates, Cattleguards, or Fence Cuts: None

(8) All new roads have been flagged as required.

3. Location of Existing Wells: (See Map No. 2)

(1) Water Wells: None

(2) Abandoned Wells: (2), Grindstaff No. 9, and 2-10C

(3) Temporarily Abandoned Wells: None

(4) Disposal Wells: None

(5) Drilling Wells: None

(6) Producing Wells: Escondito No. 1

(7) Shut-in Wells: None

(8) Injection Wells: None

(9) Monitoring or Observation Wells: None

4. Location of Existing and/or Proposed Facilities:

A. Within 1-mile radius of location show the following existing facilities owned or controlled by lessee/operator:

(1): Tank Batteries: (Size) None

(2) Production Facilities: None

(3) Oil gathering lines: None

(4) Gas gathering lines: None

(5) Injection lines: None

(6) Disposal lines: None

(7) Are lines buried? N/A

B. If new facilities are contemplated, in the event of production, show (These facilities depend on the outcome of the proposed well and are really unknown at this time.) Show a general proposed plan. (See Plat No. 2)

(1) Are any facilities planned off well pad? None at this time. If the well is a successful gas well, a gas gathering line (3½") will have to be laid and connected to the main gas line; but this will be covered by a separate proposed plan, accompanied with maps, surveys, etc., at a later date.

(2) Give dimensions of facilities: See Plat #2

(3) Construction methods and materials: Location will be levelled for production equipment. Tank batteries will be placed on a 3-in. gravel pad and surrounded with an 18" dike (15' from tanks). Separators and heater-treaters will be placed on gravel pads or cement bases. Pump jacks will be on cement platforms or on raised dirt and gravel mounds. All pipe lines on the pad will be buried.

(4) Protective measures for livestock and wildlife: All open pits will be fenced with woven wire (sheep) fence (40") and pump jacks or rotating machinery will have guards to prevent danger by moving parts.

C. Plan for rehabilitation of disturbed areas no longer needed after drilling operations are completed: Well site will be cleaned, levelled, and graded for production equipment; pits folded-in or

C. fenced with woven wire. While production ensues, previous areas of well pad not needed for production operations will be restored as in Item 10 below.

5. Location & Type of Water Supply: (See att. maps)

A. Type of Water Supply: Cisco Springs (natural flow) located in Section 9 of T 20S, R 23E. (See copy of State Water Permit, enclosed)

B. Method of Transporting Water: The water will be hauled from the spring to the well site by truck

C. Is Water Well Planned? No
If so, describe location, depth and formation: _____

6. Source of Construction Materials:

A. See attached map and describe: None will probably be required, since the well will be drilled during the good weather season.

B. Identify if Federal, Indian, or Fee Land: _____ State _____

C. Describe Material: (Where from and how used) _____

D. See item 1-C and 2 above.

7. Waste Disposal:

- (1) Cuttings: The cuttings will be blown into the reserve pit, and the blewie line will be directed into the cut portion of the p
- (2) Drilling Fluids: In mud tanks; excess put into reserve pit.
- (3) Producing Fluids (oil or water) Oil in tanks; water in reserve pit.
- (4) Human Waste: Toilet with pit (4' deep) with lime for odor and sanitation control. Will be covered with soil (3' deep) at end of operation

(prior to commencement of drilling

(5) Garbage & Other Waste: (Burn pit will be adequately fenced with chicken wire to prevent scattering of debris by wind) Into burn pit, (4' X 6' X 6' deep) and burned periodically. The burn pit will be approx. 125' from well head.

(6) Clean-up: (See item 10 below) All garbage and unburned debris will be buried by at least 3 ft. of cover after the drilling and completion operations are finished. The unused material and all equipment will be removed from the site and taken to supply yards or to the next drill site.

8. Airstrips and/or Camp Sites (Describe): None needed

9. Well Site Layout: (See Plat No. 3)

(1) Describe cuts or fills: See well site layout and profile for detail of cuts and fills. Only other cuts will be for pits.

(2) Describe pits, living facilities, soil stockpiles: Reserve pit is long and narrow as shown. Excavated material will be piled at the north end of pit. Top soil (1½' deep) will be piled at the east end of the site. Two or three trailer houses will be provided for the supervisory personnel.

(3) Rig Orientation, Pipe rack, Access Road Entrance, etc.: (See Plat #3)

(4) Are Pits Lined? Unlined with 4-ft. banks

10. Plans For Restoration:

A. If Well is completed: Site will be cleaned, debris removed, pits folded-in or fenced with woven wire, and site levelled for production equipment. All unused portions will be contoured, graded, scarred, and seeded with wheat grass.

B. If Well is abandoned:

(1) Clean-up, levelling, folding pits-in, contouring: These items will be done as soon as possible.

(2) Seeding location and access road: Site will be seeded with crested wheat grass, or as suggested by BLM by hand broadcasting and then scarred with a dozer or spike-toothed drag. The access road, if no longer needed, will be erased, contoured, seeded, and scarred as above. Water bars will be placed where needed.

(3) Will pits be fenced or covered? If there is a large amount of fluid in the reserve pit, it will be fenced with woven wire before rig is released & remain fenced until the fluid dries up & the pit is

(4) Is there any oil in reserve pit? Should not be reclaimed.
If so, describe disposal: any great amount.
If there is a large amount, it will be removed prior to covering pit

(5) When will restoration work be done? As soon as possible, Within 60 days after equipment is removed if weather and availability of clean-up equipment permit and will be completed within 10 days thereafter.

11. Description of Land Surface:

(1) Topography & Surface Vegetation: Location is on fairly ground and is on typical Mancos soil and gravel. Sage brush, shad scale, grass and tumble weed are present.

(2) Other Surface Activities & Ownership: The land around the drill site is federal land with minerals and surface owned by the public.

The area does have some grazing by sheep. There are no power lines, power-sites, irrigation ditches, or cultivation in the area.

(3) Describe other dwellings, archaeological, historical, or cultural sites: There are no known buildings, archaeological, historical or cultural sites in the area.

12. Operators Representative: (Address & Phone number)

Thomas D. Harrison; 1923 Wingate Drive; Grand Junction, Colo., 81503

(303) 242-5321

13. Certification:

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

Date: August 9, 1983

Name: Thomas D. Harrison
Thomas D. Harrison
Title: Engineer

OPERATOR Ross Jacobs DATE 8-12-83
WELL NAME State 2-15
SEC SWSE 2 T 21S R 23E COUNTY Grand

43-019-31095
API NUMBER

State
TYPE OF LEASE

POSTING CHECK OFF:

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

PROCESSING COMMENTS:

Water α - drilling program shows 1250 TD, but APD shows 1000 TD - ^{OK 8-16} lease map with APD -

✓ CHIEF PETROLEUM ENGINEER REVIEW:

8/16/83

APPROVAL LETTER:

SPACING: A-3 _____ UNIT c-3-a 102-16 B 11-15-79
 c-3-b c-3-c
CAUSE NO. & DATE

SPECIAL LANGUAGE:

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON FLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

*Becky - no bond 8-15
Hail - Bond under beard
with desig. of operator
to Jacobs. OK
8-16*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER 102-16B

UNIT _____

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

August 16, 1983

Ross Jacobs
2467 Commerce Blvd.
Grand Junction, Colorado 81501

RE: Well No. State # 2-15
SW SE, Sec. 2, T. 21S, R. 23E.
500' FSL, 1820' FEL
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 102-16B, dated 11-15-79.

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

RONALD J. FIRTH - Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OCC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

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

The API number assigned to this well is 43-019-31095.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/cf
cc: State Lands & Forestry

Enclosures



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

March 27, 1985

R.L. Jacobs Oil & Gas Company
2467 Commerce Boulevard
Grand Junction, Colorado 81501

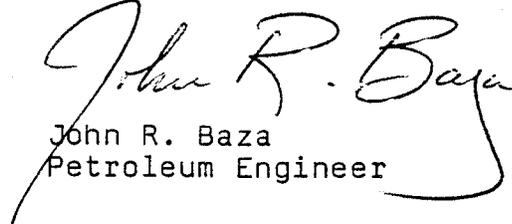
Gentlemen:

Re: Well No. State 2-15 - Sec. 2, T. 21S., R. 23E.
Grand County, Utah - API #43-019-31095

Due to excessive time delay in commencing drilling operations approval to drill the subject well is hereby rescinded, effective one calendar month from the date of this notice. If any operations have been performed on this well location it is imperative that you notify this division immediately.

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

Sincerely,


John R. Baza
Petroleum Engineer

pk
cc: Dianne R. Nielson
Ronald J. Firth
File

0161S/9