

UTAH DIVISION OF OIL AND GAS CONSERVATION

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

DATE FILED 3-25-77

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-03759 _____ INDIAN _____

DRILLING APPROVED: 3-24-77 Order #102-11

SPUDDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: 4460'

DATE ABANDONED: 1-18-78 - Location Abandoned, well never drilled

FIELD: ~~Cisco Area~~ 3/86 Greater Cisco

UNIT: _____

COUNTY: Grand

WELL NO. Lansdale-Vukasovich Federal #40 _____ API NO: 43-019-30350

LOCATION 2621' FT. FROM ~~XX~~ (S) LINE. 1159' FT. FROM (E) ~~XX~~ LINE. NW NE SE 1/4 - 1/4 SEC. 4

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
21S	23E	4	VUKASOVICH DRILLING				

21S 23E 4 VUKASOVICH DRILLING

15

1/18/78 - Location abandoned; well new / drilled

FILE NOTATIONS	
Entered in NID File <input checked="" type="checkbox"/>	Checked by Chief _____
Entered On S R Sheet _____	Copy NID to Field Office _____
Location Map Pinned _____	Approval Letter _____
Card Indexed <input checked="" type="checkbox"/>	Disapproval Letter _____
I W R for State or Fee Land _____	
COMPLETION DATA:	
Date Well Completed _____	Location Inspected _____
OW _____ WW _____ TA _____	Bond released _____
GW _____ OS _____ PA _____	State of Fee Land _____
LOGS FILED	
Driller's Log _____	
Electric Logs (No.) _____	
E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____	
Lat _____ Mi-L _____ Sonic _____ Others _____	

CDW 11-9-90

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

9

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
 Vukasovich Drilling

3. ADDRESS OF OPERATOR
 P.O. Box 1965, Grand Junction, Colorado 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations.)
 At surface: 2621 FSL, 1159 FEL
 At proposed prod. zone: 2621 FSL, 1159 FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
 10 miles by road to Cisco, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 2621'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 2100'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GR 4460'

5. LEASE DESIGNATION AND SERIAL NO.
 U-03759

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Lansdale - Vukasovich

9. WELL NO.
 40

10. FIELD AND POOL, OR WILDCAT
 Cisco Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 4, T21S, R23E, S18&M

12. COUNTY OR PARISH
 Grand

13. STATE
 Utah

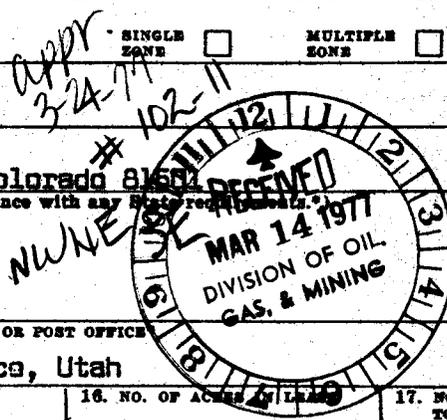
16. NO. OF ACRES
 1589.52

17. NO. OF ACRES ASSIGNED TO THIS WELL
 10

19. PROPOSED DEPTH
 2000'

20. ROTARY OR CABLE TOOLS
 Rotary

22. APPROX. DATE WORK WILL START
 April 1, 1977



23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7"	17 lb.(new)	200 ft.	40 sx REG - Circulate cement
6 1/4"	4 1/2"	9.5 lb.(new)	2000 ft.	40 sx Dowell RFC Cement

Propose to Test Buckhorn member of Cedar Mountain FMN & Salt Wash Member of Morrison Fmn. Surface use plan attached; Note: Water sands are not anticipated.

Surface FMN - Mancos Shale

Estimated Tops:

Dakota: 990 - Gas

Buckhorn: 1290 - Oil

Salt Wash: 1510 - Oil

Pressure Control: Schematic attached showing BOP, kill lines, check valves & pressure ratings, seven point plan also attached.

Logging: IES & FDC - CNL. No Coring Planned.

Hazards: Experience does not indicate that abnormal pressures or Hydrogen Sulfide will be encountered.

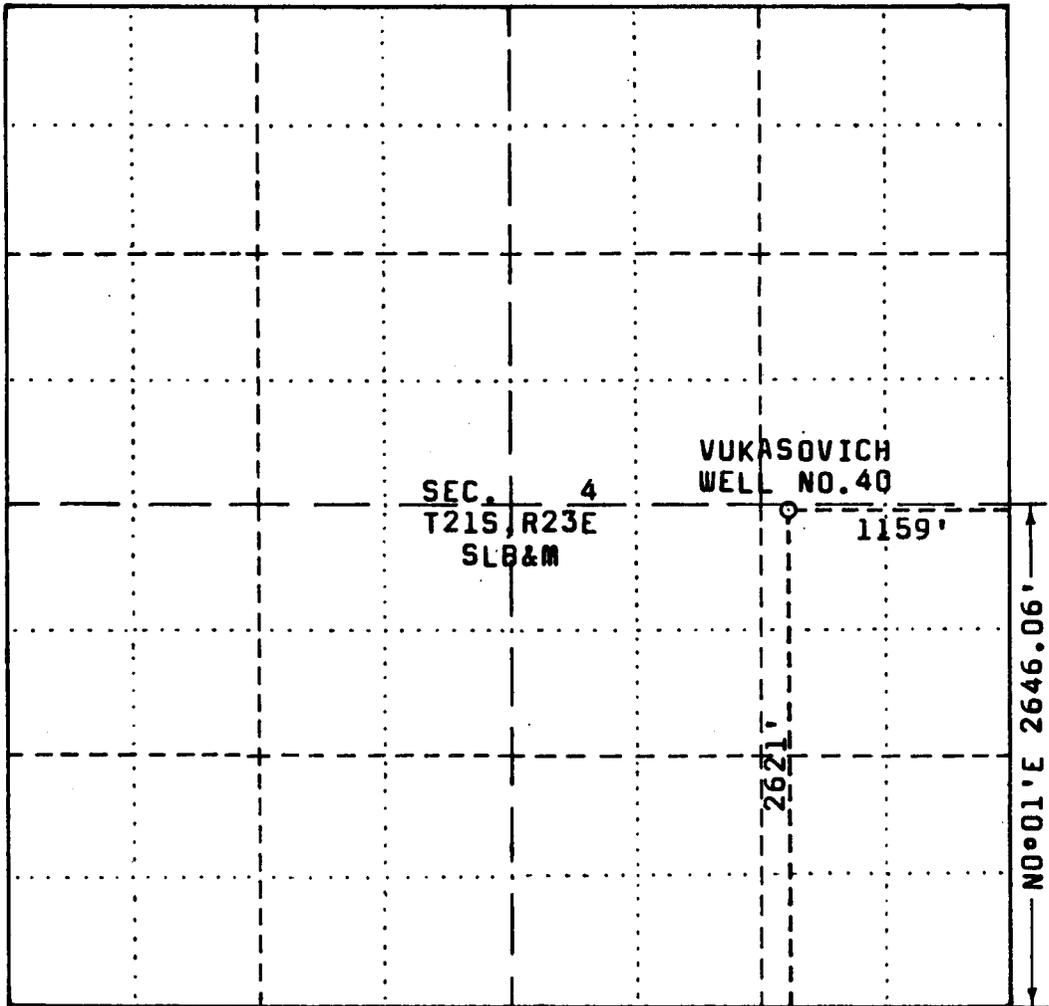
Starting Date: April 1, 1977

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: J. H. Burkhardt TITLE: agent DATE: 3/9/77

(This space for Federal or State office use)
 PERMIT NO. 43-019-30350 APPROVAL DATE _____

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



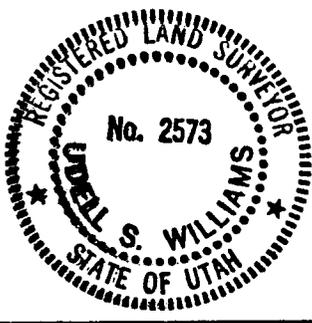
SCALE: 1" = 1000'

VUKASOVICH WELL NO.40

Located North 2621 feet from the South boundary and West 1159 feet from the East boundary of Section 4, T21S, R23E, SLB&M.

Groundline Elev. 4460

GRAND COUNTY, UTAH



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

[Signature]
UTAH R.L.S. NO. 2573



UDELL S. WILLIAMS
751 Road Avenue
GRAND JUNCTION, COLORADO 81501

PLAT OF
PROPOSED LOCATION
VUKASOVICH WELL NO.40
NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ SEC. 4
T21S, R23E, SLB&M

SURVEYED BY: USW DATE: 1/11/77
DRAWN BY: USW DATE: 1/12/77

J. N. BURKHALTER

Oil, Gas and Pipeline Consultant

Professional Engineer and Land Surveyor

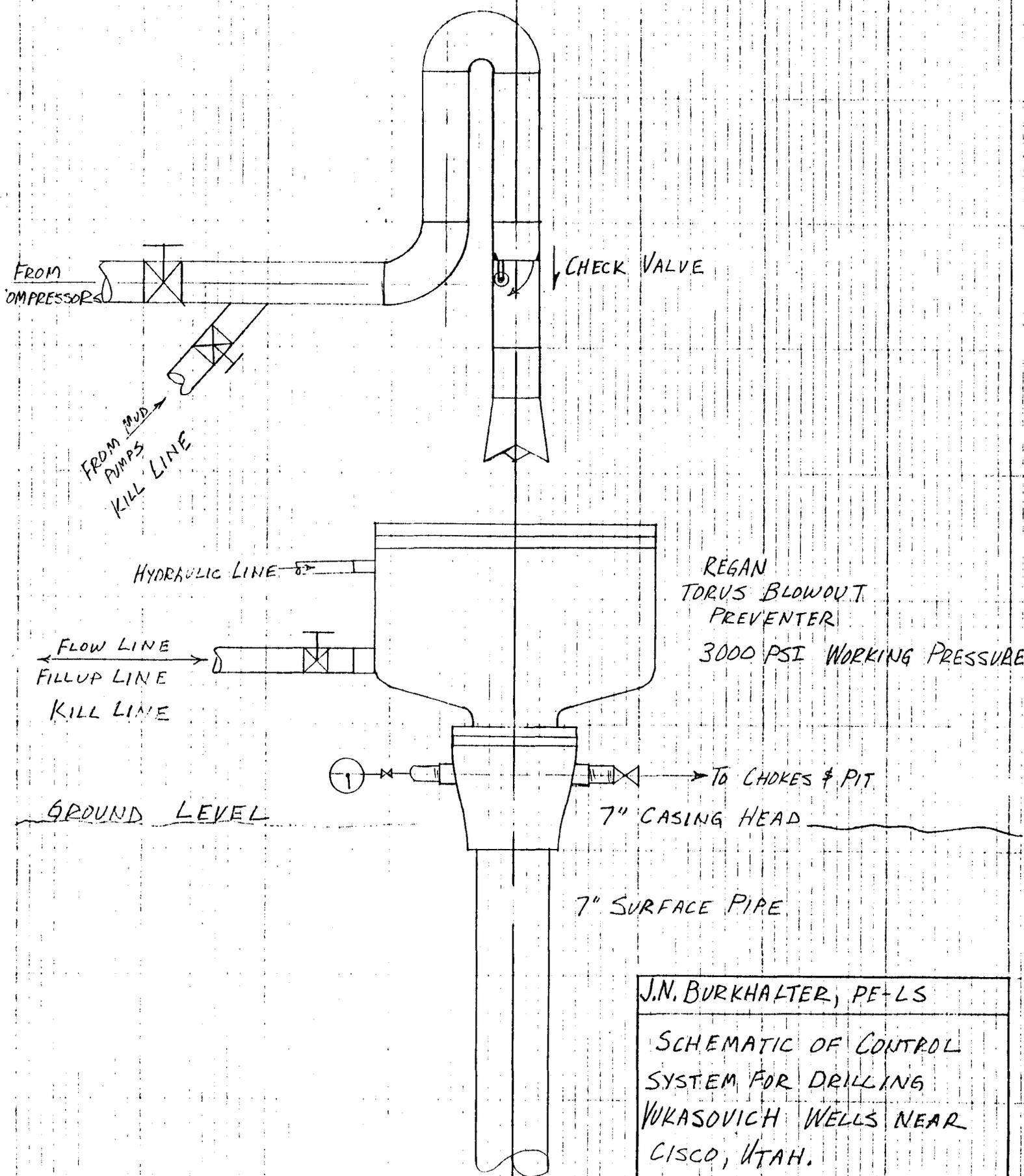
Registered in Rocky Mountain States

0270 Rockledge Drive
Glenwood Springs, Colo. 81601
Telephone 303/945-6976

Re: Well No. VUKASOVICH #40
NW NE SE
SEC 4, T21S, R23E, GRAND Co, UT

PRESSURE MONITORING AND CONTROL DATA
SEVEN POINT PLAN

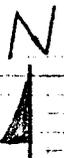
1. Surface Casing: Set at 200'
 - Size 7"
 - Weight 17 lb.
 - Length Range 2
 - Grade J-55 new. Tested to 3000 psig.
2. Casing Heads:
 - Series 600 - 1500 psi working pressure.
3. Production Casing:
 - Size 4½"
 - Weight 9.5 lb.
 - Length Range 3
 - Grade J-50, new, tested to 3000 psig.
4. Pressure Control:
 - BOP As found on rig.
 - Series 600 - Tested to 3000 psig.
 - Rams Appropriate for drill pipe in use.
 - Will use fill, kill and choke lines.
5. Auxiliary Pressure Control:
 - a. Kelly cocks.
 - b. Check valve at bit.
 - c. Monitoring equipment on mud system.
 - d. A sub on floor with a full opening valve to be stabbed into drill pipe when Kelly is out of string.
6. Anticipated Bottom Hole Pressure:
7. The Type of Drilling Fluid:
 - Air until gas and/or water encountered.
 - Mud up with appropriate mud for geology and weight as required by downhole conditions.



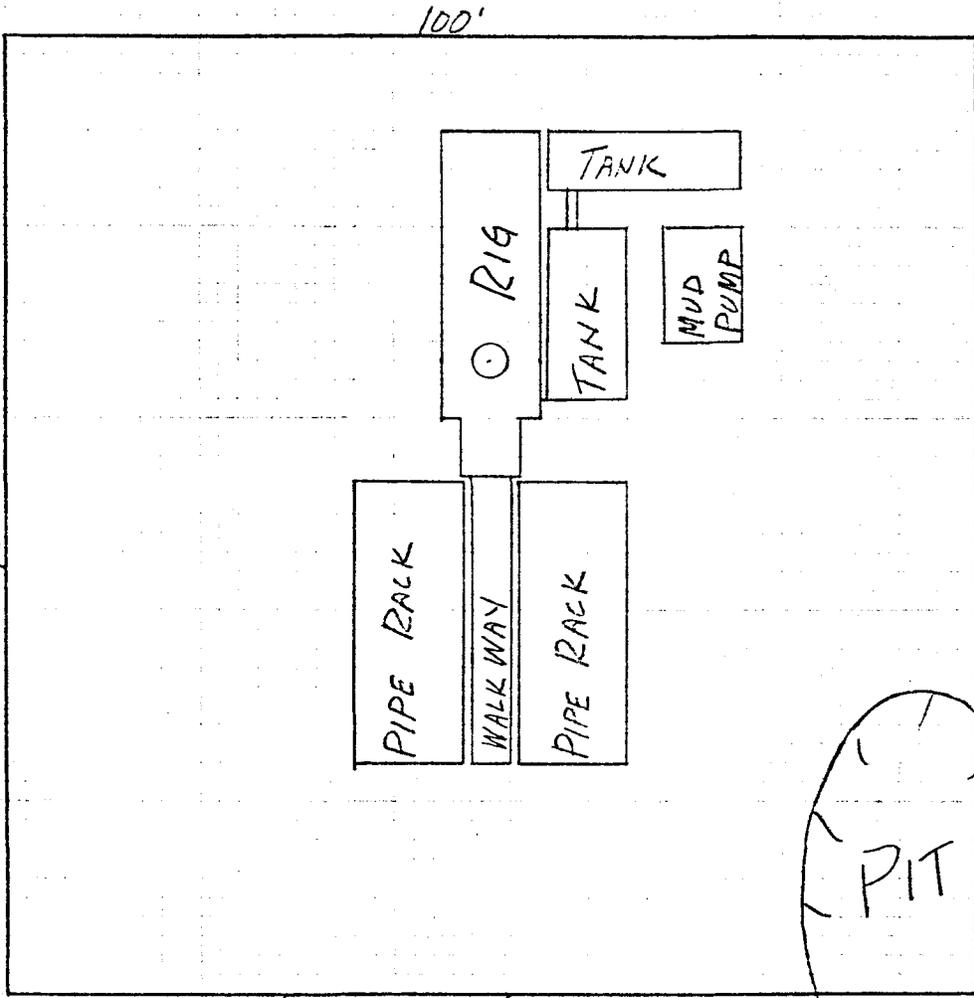
J.N. BURKHALTER, PE-LS

SCHEMATIC OF CONTROL SYSTEM FOR DRILLING VUKASOVICH WELLS NEAR CISCO, UTAH.

PROPOSED ROAD LOCATION
SITE LAYOUT



SCALE: 1" = 20'



T
21
S

100'

100'

ROAD

R23 E

NW NE SE
SEC 4, T21S, R23E, S1B & M
GRAND COUNTY, UTAH

J. N. BURKHALTER, PE-LS
PROPOSED ROAD LOCATION
SITE LAYOUT
VUKASOVICH WELL NO. 40
GRAND COUNTY, UTAH

J. N. BURKHALTER

Oil, Gas and Pipeline Consultant

Professional Engineer and Land Surveyor

Registered in Rocky Mountain States

0270 Rockledge Drive
Glenwood Springs, Colo. 81601
Telephone 303/945-6976

WELL NO. VUKASOVICH # 40

Sec. 4, T21 S, R23 E, SLB & M

Grand County, Utah

SURFACE USE PLAN

Geographical: 2.5 miles Northwest of Cisco, Utah

Terrain: Low, rolling hills of Mancos shale.

Vegetation: Very sparse.

Surface Water: None. This is dry, desolate, desert country.

1. Existing Roads: Existing roads are 15-18 feet wide, with native ground as surface material. This is primarily Mancos shale with a little Cretaceous gravel in some places.

The included map shows all access roads and roads within a several mile radius of the locations.

There are no immediate plans for improvement of existing roads. If commercial production is found and road improvement is needed, it will be considered at the appropriate time.

2. Planned Access Roads: The map indicates all necessary access roads be constructed which will be to the same physical characteristics as existing roads - 15-18 feet wide with native Mancos Shale as surface with maximum grades not to exceed 3-4%. There will be no culverts required and no major cuts and fills required for access to any of the wells applied for. No fence cuts or cattle guards will be required.
3. Location of Existing Wells: As you can see from the map, existing wells have been located upon the map. The status of the wells is generally indicated on the map by the manner in which the well is marked. There are no water wells or disposal wells. The wells applied for in this application have been referenced in two directions with reference stakes set at 100 and 150 feet in two directions giving a total reference of 300 feet for each well.

Surface Use Plan (con't)

4. Location of Existing and/or Proposed Facilities:

- a) There are no tank batteries off of well locations within a one mile radius of the proposed locations. Gas gathering lines are indicated on the attached map.
- b) If production is found, storage facilities will be located on the location. If gas is discovered in commercial quantities, necessary pipelines will be applied for at that time.

Complete protective measures such as fences will be used to protect livestock and wildlife in the area.

- c) Rehabilitation of all disturbed areas no longer needed after construction is completed will be returned to smooth contour and all debris will be cleaned up. All pits will be covered and cleaned up after drill operations. Those pits required for production will be fenced.

5. Location and Type of Water Supply: Water will be acquired from Nash Wash 8 miles Northwest of the Colorado River, which is about 5 miles Southwest of Cisco, Utah. Water will be transported by truck. Existing roads will be used to transport water.

No water well will be drilled on the lease.

6. Source of Construction Materials: No construction materials such as sand, gravel, stone and soil will be used other than that found in the native location.

In the event that tanks and production equipment are required, gravel will be hauled from Grand Junction, Colorado to set tanks on. This gravel will be purchased from private enterprise.

7. Methods for Hauling Waste Disposal:

- a) Cuttings - The hole will be 90% air drilled and cuttings will be blown out on the ground. These cuttings will be smoothed out and integrated into the native ground surface.
- b) Drilling Fluids - Will be contained in steel mud tanks. A dirt pit will be dug to contain excess flow out of the well during cementing and completion operations. Of course, these pits will be cleaned up and covered up.
- c) Produced Fluids such as Oil and Water - Will be properly disposed of with oil being stored in tanks and water being diverted to the pit and disposed of as required.
- d) Toilet - A portable chemical toilet will be provided on location.
- e) Garbage and Other Waste Material - Will be contained in 30 gallon galvanized garbage cans and hauled off the location.

Surface Use Plan (cont.)

- f) As stated before, the entire well site area will be properly cleaned up and restored to smooth contour when the rig moves out. Only that part of the location required for production operations will be kept in use. In the event of a dry hole, the only appurtenance left at the location will be the required dry hole marker.
8. Ancillary Facilities: There will be no camps or air strips required for this drilling operation.
9. Well Site Layout: A plat on a scale of 1" = 20' is included with the application showing location and orientation of the drilling rig, mud tanks, reserve pit, pipe racks and other appurtenances to the operation. For the time being pits will be unlined as allowed by present law. The only water introduced into these pits will be fresh water used in the drilling operation.
10. Plans for Restoration of Surface: As stated before, the entire location will be restored to smooth contour. Also stated, the vegetation in this desert area is extremely sparse and it is quite doubtful that revegetation would be practical at all.
- It is intended to have all locations cleaned up within 30 days after operations are concluded.
11. Other Information:
- a) The topography of these locations near Cisco, Utah is a very gentle rolling, flat characteristic. The soil is raw Mancos shale with extremely sparse vegetation. A few coyotes, prairie dogs and cottontail rabbits occupy the entire area.
- b) The only other surface use activities other than petroleum exploration in the area is in spring grazing of the sparse vegetation by cattle and sheep.
- c) The proximity of water has been described at the Nash Wash 8 miles Northwest and the Colorado River which is about 5 miles Southwest of Cisco, Utah. The only occupied dwellings are at Cisco, Utah, which has been located already. There will be no disturbance to archeological, historical or cultural sites by drilling the applied - for well in the present application. The land is under the jurisdiction of the Bureau of Land Management.
12. Operator's Representative:

J. N. Burkhalter
0270 Rockledge Drive
Glenwood Springs, Colorado 81601
(303) 945-6976
Mobile (303) 245-3660, Unit 472

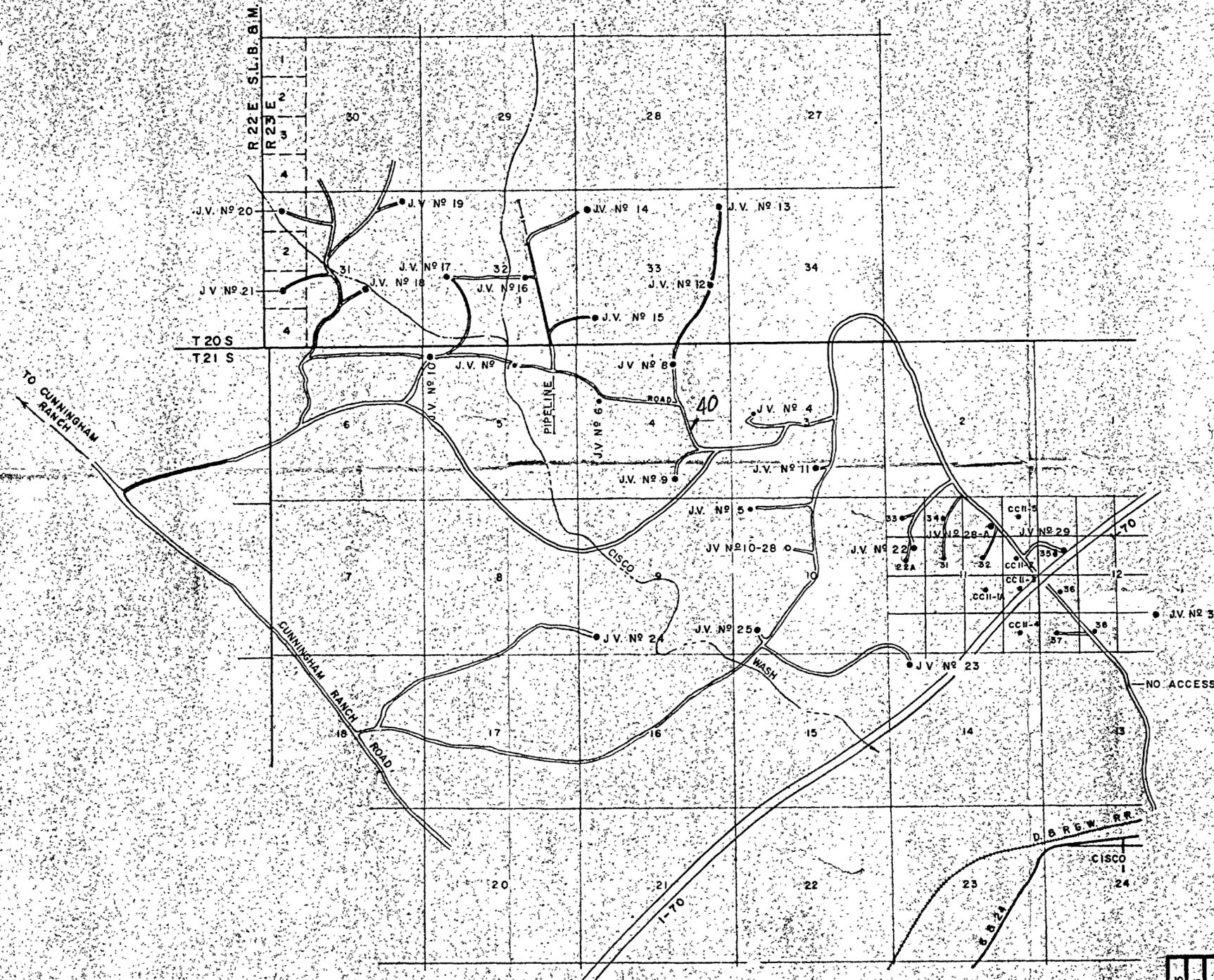
Surface Use Plan (con't)

13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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 Vukasovich Drilling in conformity with this plan and the terms and conditions under which it is approved.

MARCH 9, 1977

Date

J. N. Burkhalter
J. N. Burkhalter, PE-LS
Consulting Engineer



WESTERN ENGINEERS, INC.
 MAP OF
ROAD LOCATIONS TO
J. VUKASOVICH WELLS
 IN
T20 & T21 S R22 & R23 E, S.L.B. & M.
 GRAND COUNTY, UTAH
 DRAWN R. W. QUINN
 GRAND JUNCTION, COLO. 5/29/73

REVISED 10/28/75
 REVISED 7/29/75
 REVISED 5/1/75

DWG 1-668

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: March 14-
Operator: Vukosavlje Drilling Co.
Well No: Lansdale - Vukosavlje Fed. #40
Location: Sec. 4 T. 21S R. 23E County: Grand

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

CHECKED BY:

Administrative Assistant AW
Remarks: Approved by Board 3/23
Petroieum Engineer JK
Remarks: 2
Director _____
Remarks: _____

Limit offset
wells until if +
when Prod is established.

INCLUDE WITHIN APPROVAL LETTER:

Bond Required Survey Plat Required
Order No. ~~102-5~~ 102-11 Surface Casing Change
to _____
Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site

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

Other:

Letter Written/Approved

Rule 30 CFR 221.20 requires well shall not be drilled closer than 200 ft. from the lease boundary or 200 ft. from any legal sub-division without adequate reasons or consent.



District Oil and Gas Engineer
U. S. Geological Survey
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

Re: Stipulation
Vukasovich Well #40

Dear Sir:

Vukasovich Drilling is the owner of U. S. Oil and Gas Lease U-03759, and proposes to drill a well on the leased premises to test for oil and gas at a location in the NW ¼ NE ¼ SE ¼ Section 4, T. 21S, R. 23E, SLB&M Mer., Grand County, State of Utah, 2621 ft from South line and 1159 ft. from East line of Section 4.

Section 221.20 of the Federal Oil and Gas Regulations requires that no well be drilled less than 200' from the boundary of any legal subdivision without the written consent of the Supervisor, United States Geological Survey. The proposed location is approximately 161 ft. from the West boundary line of the NE ¼ SE ¼ of Section 4, ~~but is considered to be necessary because of~~ and 19 ft. from the North boundary line of the SE ¼ of Section 4, ~~but is considered to be necessary because of geological and geophysical considerations in this difficult area.~~

Therefore, Vukasovich Drilling, Lessee, requests the consent of the Supervisor to the drilling of the proposed well at the above-described location. In consideration of such consent, Vukasovich Drilling, Lessee, hereby expressly covenants and agrees that he will make no separate assignments of the NE ¼ SE ¼ and the NW ¼ SE ¼, Section 4, T. 21S, R. 23E, SLB&M Mer., and that he will keep the two described subdivisions under joint assignment until the above-mentioned well has been plugged and abandoned with the approval of the Supervisor.

Very truly yours,

J. H. Burkhalter, Agent

PLEASE SUBMIT IN TRIPLICATE

March 24, 1977

Vukasovich Drilling Co.
Box 1965
Grand Junction, Colorado 81501

Re: Well No. Lansdale-Vukasovich #39
Sec. 10, T. 21 S, R. 23 E,
*Well No. Lansdale-Vukasovich #40
Sec. 4, T. 21 S, R. 23 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells, located as follows:

#39: 1358' FNL & 561' FEL,
#40: 2621' FSL & 1159' FEL,

is hereby granted in accordance with the Order issued in Cause No. 102-11, March 23, 1977.

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

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

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

The API number assigned to each of these wells are:

#39: 43-019-30349 *#40: 43-019-30350

Very truly yours,

CLEON B. FEIGHT
Director

cc: U.S. Geological Survey

March 28, 1977

J. N. Burkhalter
0270 Rockledge Drive
Glenwood Springs, Colorado 81601

Re: Well No. Lansdale-Vukasovich #39
Sec. 10, T. 21S, R. 23E,
Well No. Lansdale-Vukasovich #40
Sec. 4, T. 21S, R. 23E,
Grand County, Utah

Gentlemen:

We are in receipt of your "Application for Permit to Drill, Deepen, or Plug Back", dated 3-9-77.

Upon approval of these above mentioned wells, we will require the following additional information,

- 1) ~~Date of~~ *spudding and the drilling contractor.*
- 2) *Verbal notification if and why/why not pipe was set.*

Please submit to this office the information needed as soon as possible.

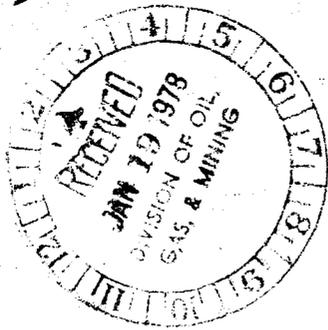
Thank you for your cooperation in this matter.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER
RECORDS CLERK

/ko



Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

January 18, 1978

Mr. J. N. Burkhalter
0270 Rockledge Drive
Glenwood Springs, Colorado 81601

Re: Vukasovich Drilling
Well No. 39
SE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 10, T.21S, R.23E
(Approved 5-26-77)
* Well No. 40
NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 4, T.21S, R.23E
(Approval pending)
Grand County, Utah
Lease Utah 03759

Dear Mr. Burkhalter:

Pursuant to your letter dated January 6, 1978, in which you advised that Vukasovich Drilling does not intend to drill the above referenced wells in the foreseeable future, therefore, the Application for Permit to Drill Well No. 39, which was approved May 26, 1977, is rescinded effective as of this date without prejudice.

Well No. 40 has not been approved as of this date and we are returning the Application for Permit to Drill, together with attachments, to you.

Any surface disturbance associated with Well No. 39 must be restored in accordance with the approved Surface Use Plan prior to release of bonding.

If you should again desire to drill at these locations, please submit new Applications for Permit to Drill.

Sincerely yours,

(Orig. Sgd.) E. W. Gynn

E. W. Gynn
District Engineer

bcc: Chief, Br. Lands/Mins.
BLM, Salt Lake City
Utah State OGM
BLM, Moab
USGS, Vernal

O&GS, NRMA, Casper
Well files (2)
tw

VUKASOVICH DRILLING CO.
3964 South State Street
Salt Lake City, Utah 84107

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

Attn: Mr. Minder

May 30, 1979

Location abandoned

RE: Vukasovich #40
Well Location

Gentlemen :

Reference the above well location, we herewith withdraw our application at this time.

All future drilling applications for the immediate area of T21S, R23E, will be spaced on 2640' between wells (gas).

Sincerely,


Dean H. Christensen
Agent