

FILE NOTATIONS

Entered in NED File .....  
Approved for Minned .....  
and Indexed .....  
*(Handwritten checkmarks)*

Checked by Chief .....  
Approval Letter .....  
Disapproval Letter .....

*DWB*  
*11-20-72*

COMPLETION DATA:

ate Well Completed .....  
N..... WW..... TA.....  
SW..... OS..... PA.....  
*(Handwritten checkmarks)*

Location Inspected .....  
Bond released .....  
State or Fee Land .....

LOGS FILED

Driller's Log.....  
Electric Logs (No.) .....  
E..... I..... Dual I Lat..... GR-N..... Micro.....  
MHC Sonic GR..... Lat..... MI-L..... Sonic.....  
CBLog..... CCLog..... Others.....

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  
**Ferguson & Bosworth**

3. ADDRESS OF OPERATOR  
**P. O. Bin 2427, Bakersfield, California 93303**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface **From NE Corner of Sec. 7-T24S, R21E, 660' South/W and 660' West. /EL**  
 At proposed prod. zone **Same**  
*C NE, NE*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**10 miles Northwest of Moab, Utah**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) **660'**

16. NO. OF ACRES IN LEASE  
**2324.83** ✓

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH  
**Permian Test**

20. ROTARY OR CABLE TOOLS  
**Rotary** ✓

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**Before Grading 4845 Ground**

22. APPROX. DATE WORK WILL START\*  
**Dec. 1, 1972**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" ✓	32# ✓	200' ✓	Cement to surface
7 5/8"	5"	11.5#	5500	200 sacks

I Drill hole to accommodate 8 5/8" casing to 200', run casing and cement to surface. ✓

II Install Series 900 Double Gate blow out preventer or better. Test positive and pipe rams with 1000 psig before drilling out. Close Blind rams each trip. Close pipe rams daily.

III Drill 7 5/8" hole to 5500', run logs. If well is to be completed, set 5" casing to 5500' and cement with 200 sacks. ✓

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

24. SIGNED John R. Orms TITLE Engineer DATE Nov 17, 1972

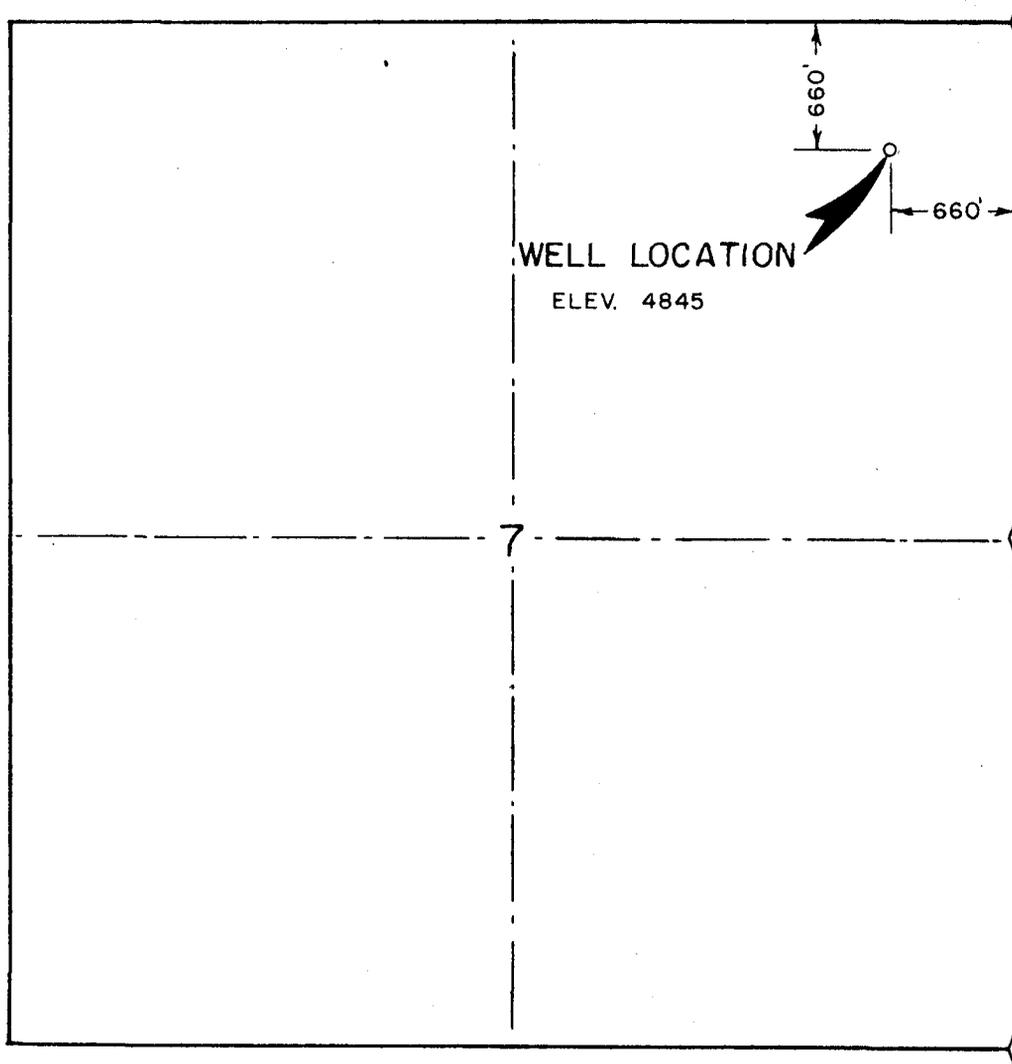
(This space for Federal or State office use)  
 PERMIT NO. 43-019 30122 APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

*PMB*

WELL LOCATION  
660.0 FT. S.N.L. - 660.0 FT. W.E.L.  
SECTION 7, T 24 S R 21 E SL.B&M.



Scale 1" = 1000'

NOTE: Elevation referred to U.S.G.S. Datum.

I, David L. Bear do hereby certify that this plat was plotted from notes of a field survey made under my direct responsibility, supervision and checking on November 15, 1972

*David L. Bear*  
Registered Land Surveyor

WESTERN ENGINEERS, INC.	
WELL LOCATION	
FERGUSON & BOSWORTH	
<i>Govt</i> <del>NO. 1</del> NO. 1	
GRAND COUNTY, UTAH	
SURVEYED	D.L.B.
DRAWN	G.L.A.
GRAND JUNCTION, COLO. 11/15/72	

# ROCKY MOUNTAIN GEO-ENGINEERING COMPANY

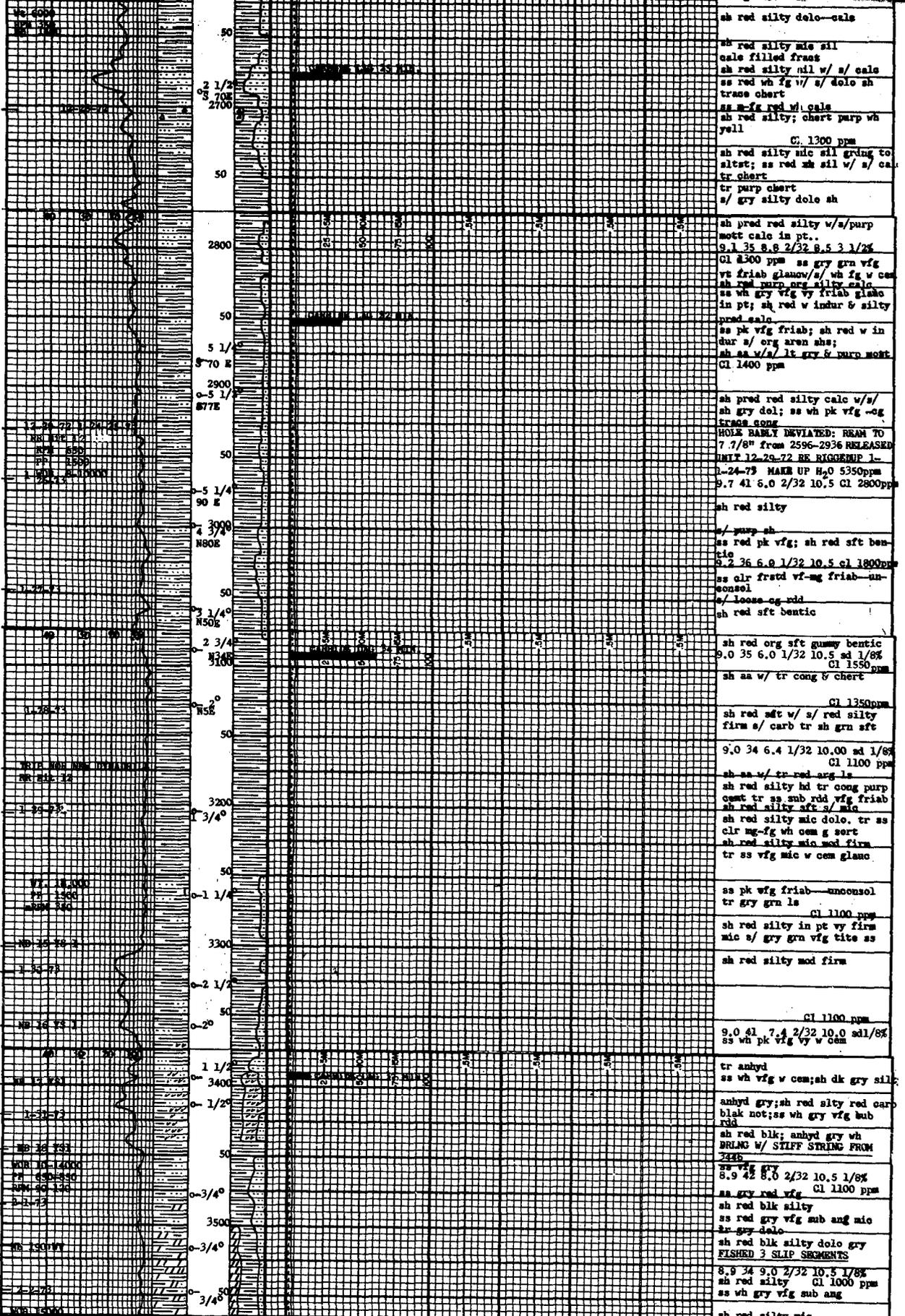
Grand Junction, Colorado

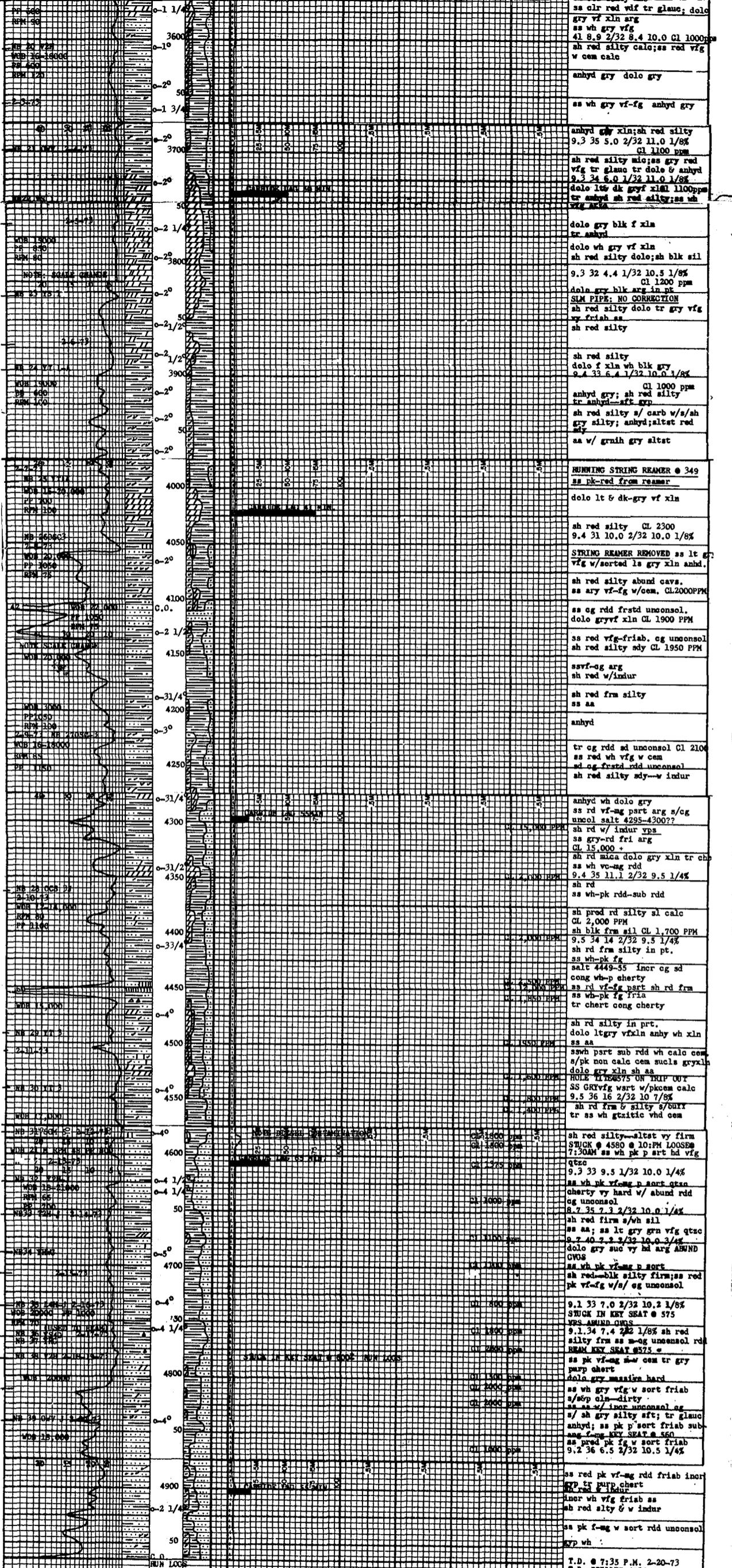
COMPANY FERGUSON & BOSWORTH	LOCATION NE 1/4 SEC. 7 T24S R21E	FROM	TO
WELL CULLEN-H.S. PETROLEUM SURVY. No. 1	COUNTY GRAND	DEPTH LOGGED 1000	2964
FIELD WILDCAT	STATE UTAH	DATE LOGGED 12-18-72 1-24-73	12-30-72 2-28-73
ELEVATION GL 4845 ED 4855	DRILLING FLUID OIL, OIL, OIL	ENGINEERS McKISSICK STEPHEN	

SHALE	DOLOMITE	COAL	TRACE	CORE NO.	NB- NEW BIT NR- NO RETURNS CO- CHOCOLATE OUNT NS- NO SAMPLE TG- TRIP GAS
SANDSTONE	CHERT	ANHY-GYP	FAIR	DST NO.	
LIMESTONE	SALT	GOOD	DEVIATION		

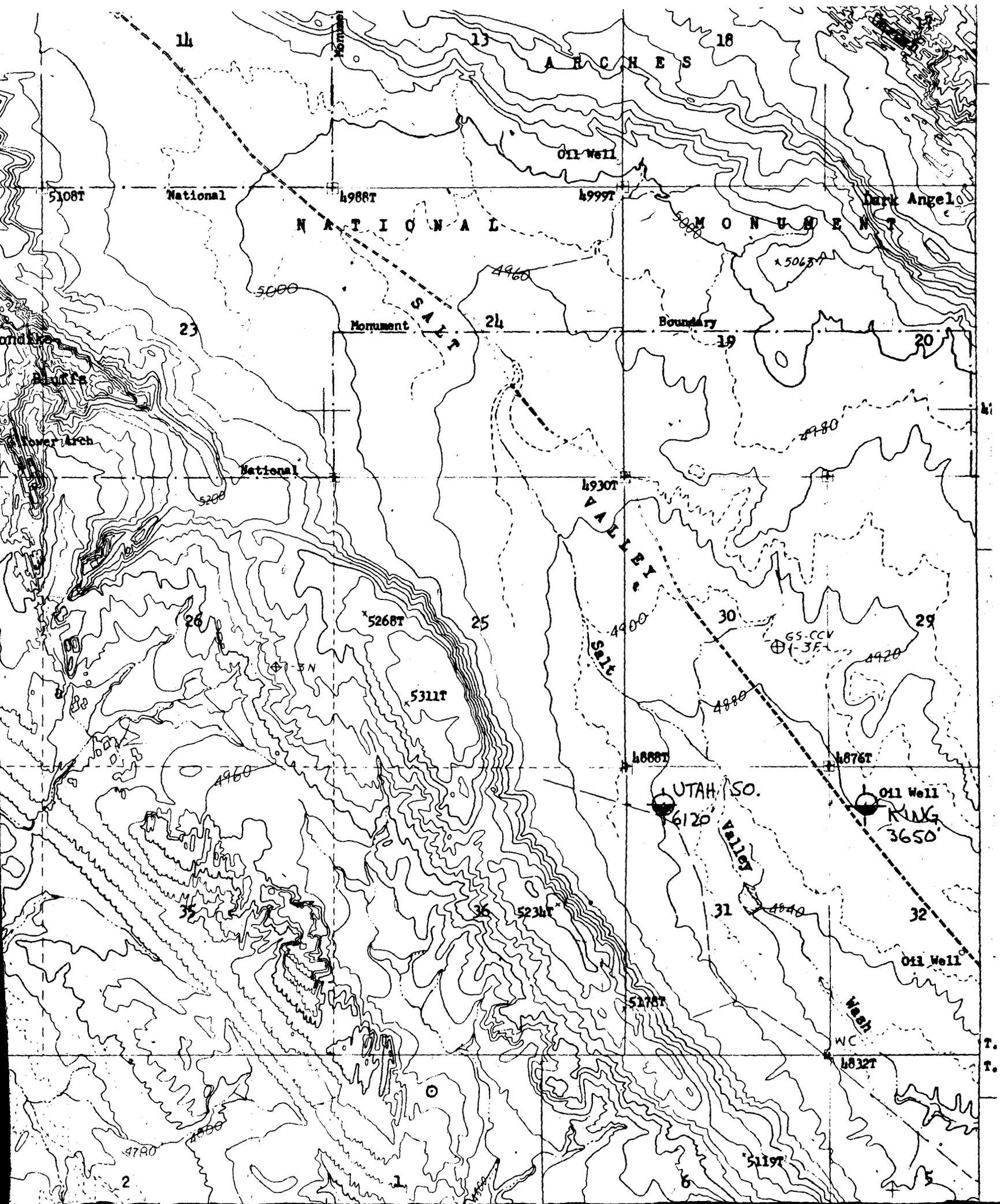
DRILLING RATE IN FEET PER HOUR	LITHOLOGY	OIL SHOW	CHROMATOGRAPH HYDROCARBONS IN PARTS PER MILLION M = 1000 ppm						REMARKS									
			TOTAL GAS	METHANE	ETHANE	PROPANE	BUTANES	PENTANES	WT	VIS	WL	CKE	PH					
1 1/2°																		START LOGGING @ 1000' @ 6:30 P.M. 12-18-72
0-1000																		ss clr wh vf-fg-ug unconsol friab.; sh org red org dolc aren bent
0-1/4°																		ss red pk w rdd unconsol ss as incr in lt gry aft sdy sh s/wh cly
50																		incr pink ss
0-1100																		ss aa few pcs red m-firm abs
3/4°																		unconsol ss aa sh v aft sdy wh clay (washes out. v easily) sh lt gry red bra v aft sdy abs 9.6 36 6.0 2/32 10.0 1200ppm
50																		ss red pk fg w sort friab unconsol
0-1200																		ss gry vf-og w cem v/calcite ss wh pk vf-fg friab; sh wh bent
0-1°																		ss red pk vf-fg arg VERY SCANT SAMPLE
50																		ss gry vf-og gry w cem ss red vf friab
0-1300																		ss pred red vf-fg fria sli iner in red sltst
11/4°																		ss red vf-fg fria s/og grns in aa ss
50																		ss aa grdg to sltst few pcs red m-firm abs
0-11/2°																		ss aa s/wh soft sly
50																		ss aa s/sli calc
0-1400																		sh red m-firm s/red sltst ss red-pk vf-fg m-cem s/clr rdd mg ss
11/2°																		sh maroon silty s/soft wh bent sh
50																		sh aa s/gry grns sli calc 9.1 30 15 1/32 10.5 800ppm
0-11/4°																		sh red silty calc mica sltst aa w/some grn mott
1500																		sh-sltst aa
0-11/4°																		s/soft red bent sh w/red firm silty
50																		ss pk-red vf-fg fria ls gry vf-xln arg ss pk vf-g w-cem calc
0-1600																		ls gry vf xln arg ss pk vf-g w cem calc ls aa v adv s/galc p srt ss sltst-ss red vf-g calc mica
50																		ss lt gry red vf-fg w cem-friab unconsol p srt subrd
0-1/2°																		ss aa s/mg ss lt gry red vf-fg friab s/red sh s firm



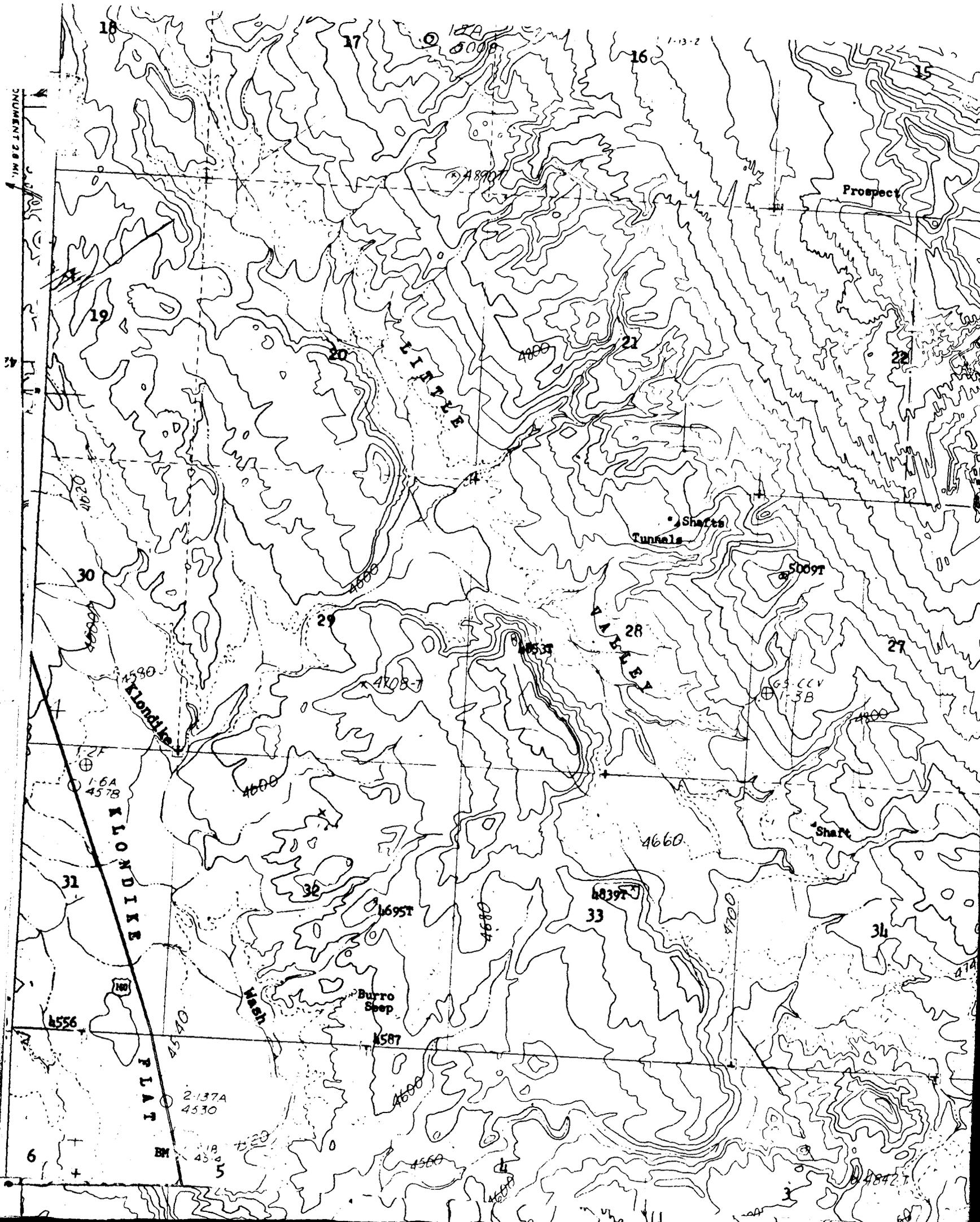


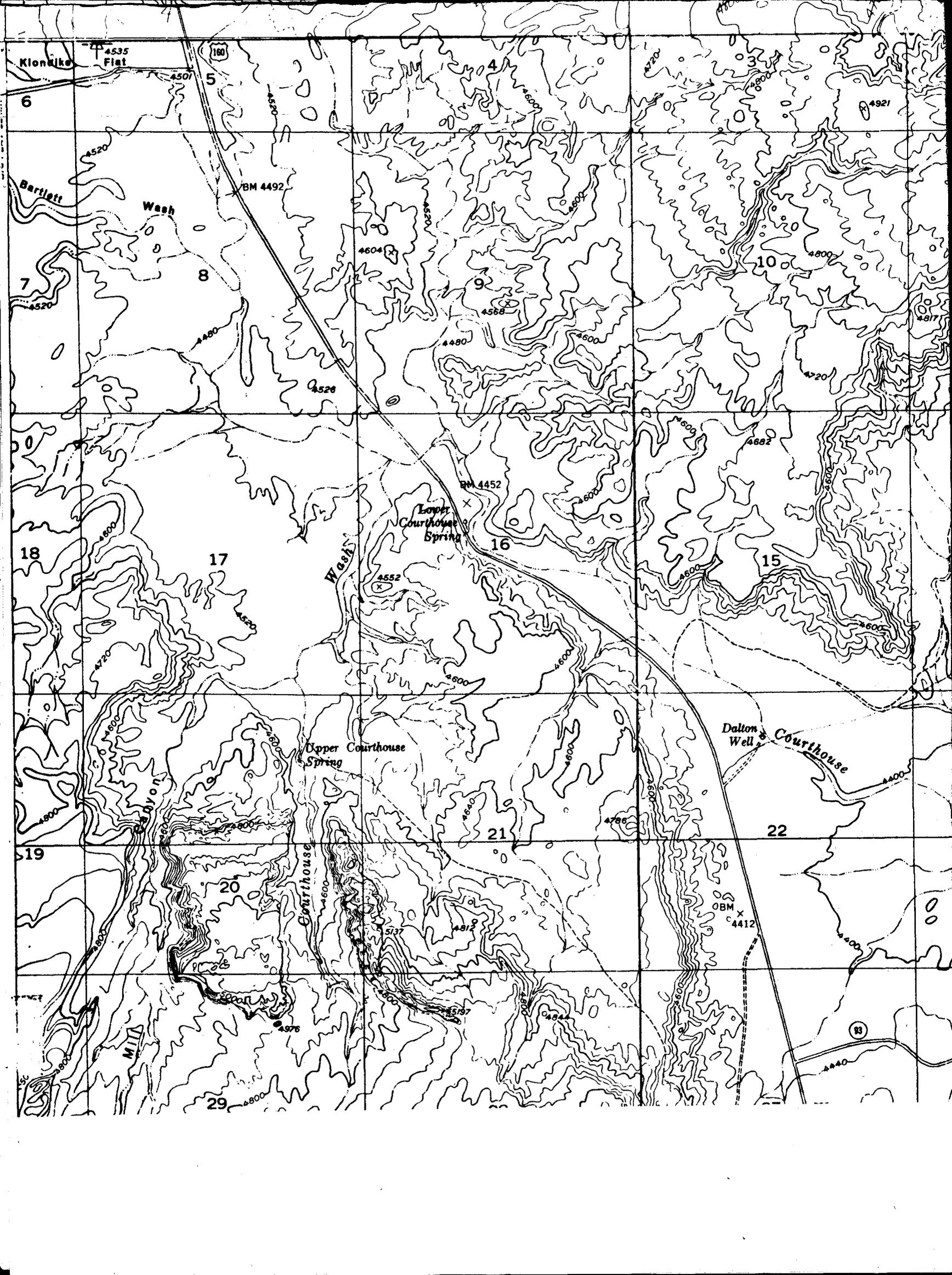


T.D. @ 7:35 P.M. 2-20-73  
T.D. DRILLER 4964

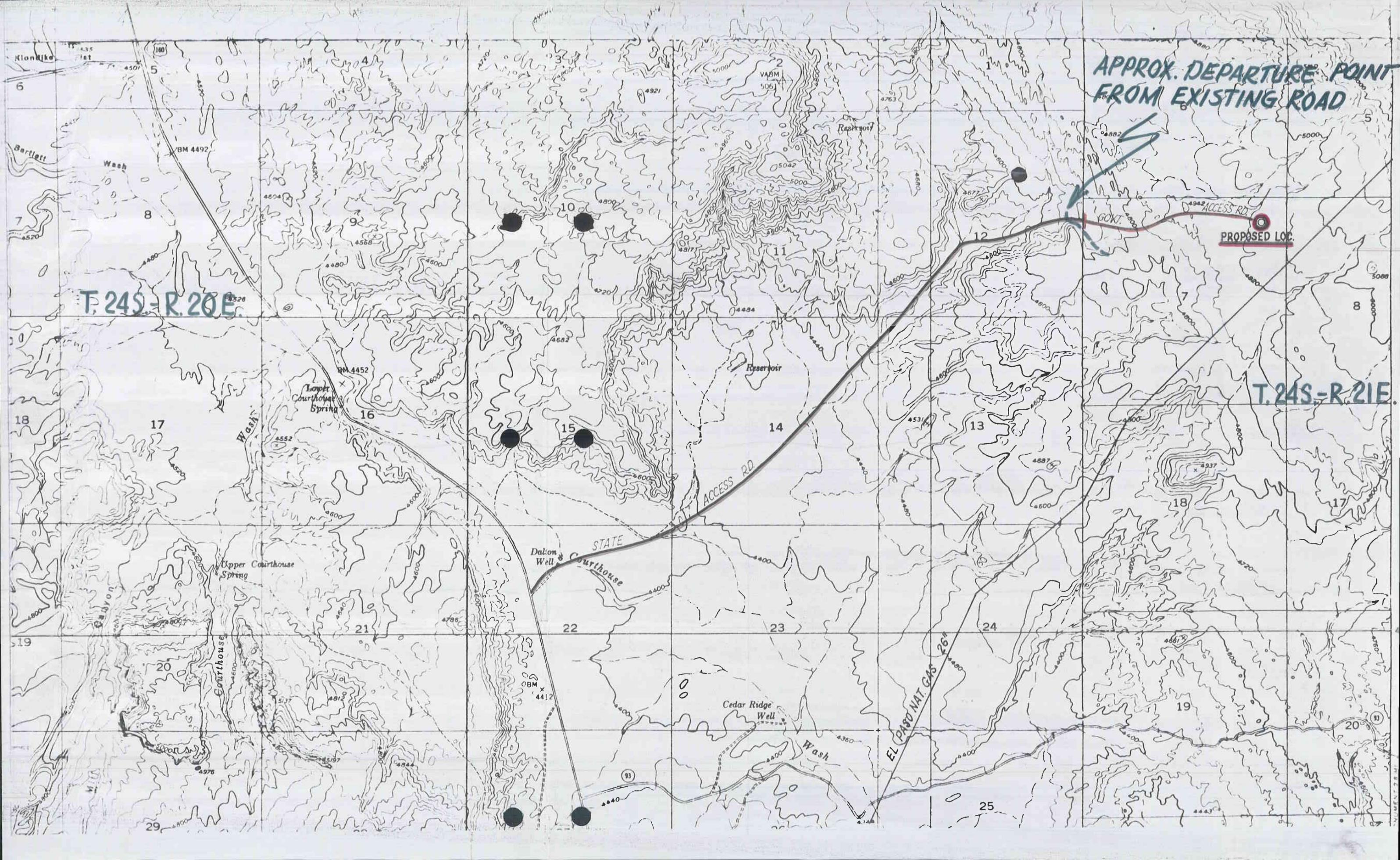


DOCUMENT 28 MI.

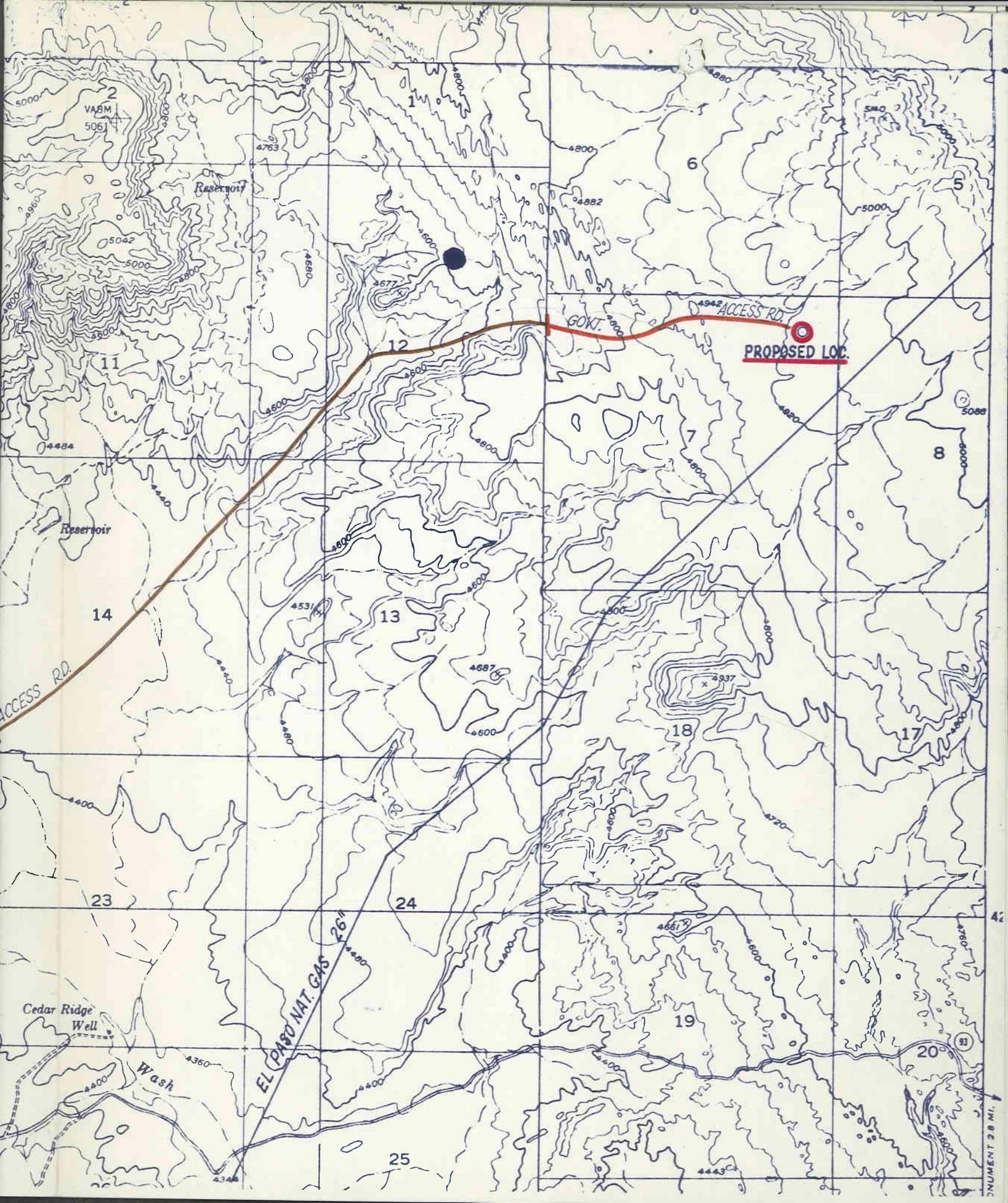


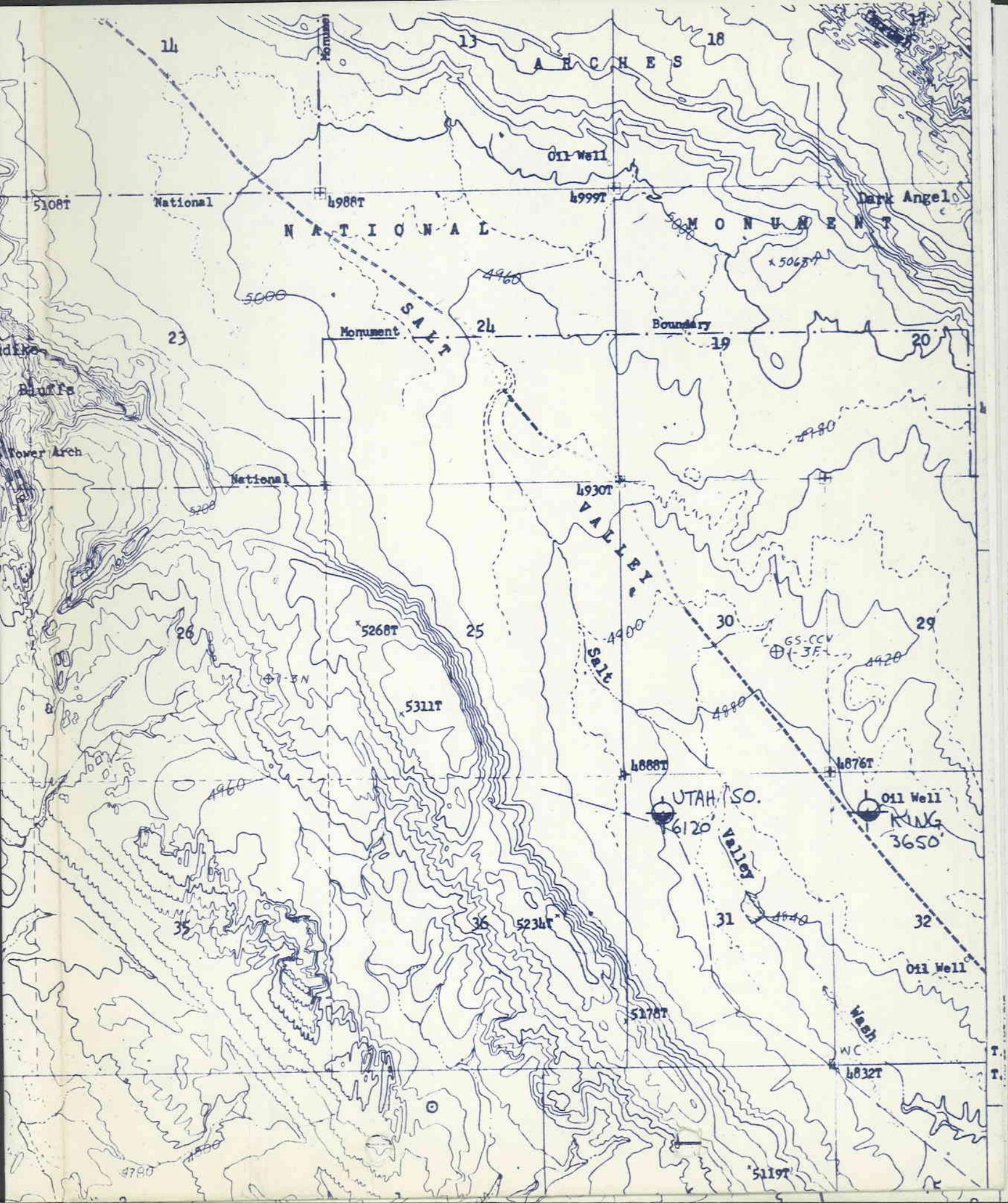


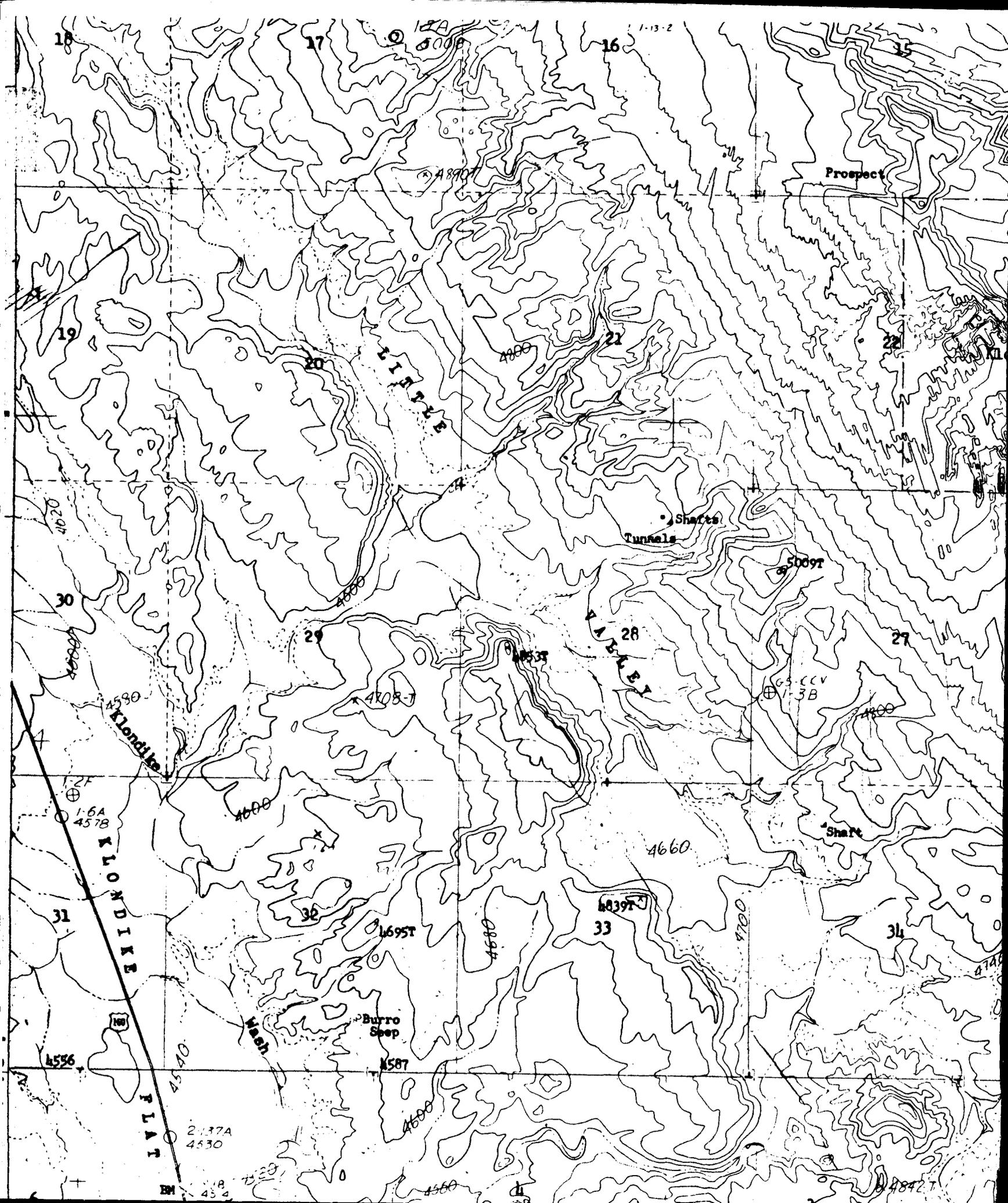












November 20, 1972

Ferguson and Bosworth  
Bin 2427  
Bakersfield, California 93303

Re: Well No. Cullen Gov't. #1  
Sec. 7, T. 24 S, R. 21 E,  
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the General Rules and Regulations and Rules of Practice and Procedure.

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

PAUL W. BURCHELL - Chief Petroleum Engineer  
HOME: 277-2890  
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation with regard to this request will be greatly appreciated.

The API number assigned to this well is 43-019-30122.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sd  
cc: U.S. Geological Survey

Branch of Oil and Gas Operations  
8416 Federal Building  
Salt Lake City, Utah 84111

November 24, 1972

Mr. John R. Amundsen  
Ferguson & Bosworth  
P. O. Box 2427  
Bakersfield, California 93303

Re: Well No. 1 Cullen-HS Pet-Gov't.  
NE  $\frac{1}{4}$  sec. 7, T. 24 S., R. 21 E., S.L.M.  
Grand County, Utah  
Federal oil and gas lease Utah 0140959

Dear Mr. Amundsen:

Enclosed is your copy of the Application for Permit to Drill the referenced well which was conditionally approved by this office on November 22, 1972.

The approval is conditional that access road and wellsite location construction be conducted in accordance with the specifications agreed upon on the November 21 meeting between representatives of the National Park Service, Bureau of Land Management, United States Geological Survey and Mr. J. D. Wilson. Your plan of operation concerning surface operations is acceptable to this office but please be advised that clearance of said plan should be obtained from the BLM District Manager at Monticello before commencing the dirt work.

It is my understanding that construction of the access road will be temporary until drilling is completed. If the well is completed as a producer, the road will be upgraded to provide permanent access. The Bureau of Land Management has consented to provide for said upgrading work. Also, the BLM should be consulted for rehabilitation requirements of the disturbed area after drilling operations are completed.

Sincerely,

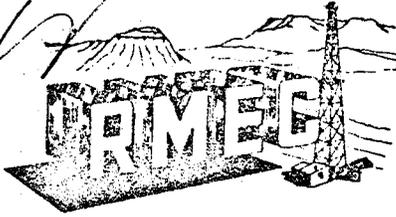
(ORIG. SGD.) G. R. DANIELS

Gerald R. Daniels  
District Engineer

*by eb*

Attachment

cc: ✓ Div. of O&G Cons.  
BLM, Monticello  
BLM, Moab w/copy 12 point plan  
Casper



# ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

Ferguson & Bosworth  
P.O. Bin 2427  
Bakersfield, California 93303

Gentlemen:

Please find enclosed the final logs on your Ferguson & Bosworth Cullen - H.S. Pet. - Gov't No. 1 Well located NE $\frac{1}{4}$  Sec 7 T24S R21E, Grand County, Utah, which our logging unit has just completed.

We have appreciated the opportunity to work with you on this project and if we can be of further assistance in the final evaluation of zones encountered, please feel free to call on us.

Sincerely yours,

ROCKY MOUNTAIN GEO-ENGINEERING COMPANY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

Utah #0140959

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR  
Ferguson & Bosworth

8. FARM OR LEASE NAME

Cullen-H.S. Pet.-Gov't.

3. ADDRESS OF OPERATOR  
P. O. Bin 2427, Bakersfield, Calif. 93303

9. WELL NO.

#1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
660' So. of North line & 660' West of East line of Sec. 7,  
T24S - R21E, SLB&M

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 7 - T24S-R21E, SLB&M

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4855' K.B.

12. COUNTY OR PARISH 13. STATE

Grand Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

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

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

- I Hang open end drillpipe at 4800', pump in 30 sacks class A cement.
- II Pull up, hang drillpipe at 2400' and pump in 30 sacks class A cement.
- III Pull up, hang drillpipe at 1600' and pump in 30 sacks class A cement.
- IV Pull up, hang drillpipe at 253' and pump in 50 sacks class A cement.
- V Plug surface with 5 sacks class A cement. Weld on steel cap with U.S.G.S. marker. Abandon well in this condition.
- VI Abandon sump, location and road as per instructions and to specifications of BLM.

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

SIGNED John R. Amundsen

TITLE Engineer

DATE 2-28-73

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

Vertical stamp: RECEIVED... FEB 28 1973... BUREAU OF LAND MANAGEMENT... U.S. DEPARTMENT OF THE INTERIOR

4

PT

ORAL APPROVAL TO PLUG AND ABANDON WELL

Ferguson & Bosworth

John Amundsen

1

NE NE

7

245

21E

Utah 0140959

W.C. Grand Co

Utah

Monz.

fresh water

1600 ±

Size hole

8 3/4 2410  
7 5/8 2337  
6 3/4 to TD

4950?

9 5/8 254

circulated

4800 up 35 sx

2400 up 35 sx

1600 up 35 sx

254 up 50 sx

surface 5 sx w marker

Wingate - ?

Chinle 1,600 ±

Moenkopi 2,350 ±

White Rim 4809

Initial hole 814 filled w/cmt.

salt stringers - 1 day seat 538

Daniel

2-20-73

1:30

≡

2-22 Tore out rig, cleaned mud tanks. Released rig at 4:00 A.M.

BITS

<u>Run</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>In</u>	<u>Out</u>	<u>Footage</u>	<u>Hours</u>
1	13-3/4"	Reed	YT3AJ	0	254'	254'	25-1/4
2	8-3/4"	Reed	SS1GJ	254'	814'	560'	20-1/2
Hole off 12° @ 814'. Plugged back with cement.							
3	8-3/4"	Reed	SS1GJ	255'	418'	163'	8-3/4
4	8-3/4"	HTC	ODVJ	418'	534'	116'	2
5	8-3/4"	Reed	YS1GJ	534'	720'	186'	15-3/4
3RR	8-3/4"	Reed	SS1GJ	720'	1022'	302'	22-1/4
5RR	8-3/4"	Reed	YS1GJ	1022'	1300'	278'	18-3/4
6	8-3/4"	Reed	SS1GJ	1300'	1845'	545'	22-3/4
7	8-3/4"	Reed	US1GJ	1845'	2146'	301'	17
8	8-3/4"	Reed	YS1GJ	2146'	2291'	145'	23-1/2
9	8-3/4"	Reed	YS1GJ	2291'	2410'	119'	18-1/4
10	7-7/8"	Reed	YS4GJ	2410'	2501'	91'	4-1/2
11	7-7/8"	Reed	YSYGJ	2501'	2596'	95'	9
12	6-3/4"	Christensen	MD331	2596'	2936'	340'	26-3/4
13	7-7/8"	Reed	YS4G	2596'	2875'	Reamed 279'	6
14	7-7/8"	Reed	YS4G	2596'	2937'	Reamed 62'	4
12RR	6-3/4"	Christensen	MD331	2937'	3303'	366'	74
15	6-3/4"	Reed	YS1J	3303'	3360'	57'	4-1/2
16	6-3/4"	Reed	YS1J	3360'	3400'	40'	4-1/4
17	6-3/4"	Reed	YS1J	3400'	3446'	46'	4-1/4
18	6-3/4"	Reed	YS1J	3446'	3517'	71'	11-3/4
19	6-3/4"	HTC	OWV	3517'	3609'	92'	16
20	6-3/4"	Smith	V2HJ	3609'	3697'	88'	16-1/2
21	6-3/4"	HTC	OWV	3697'	3744'	47'	10-3/4
22	6-3/4"	Reed	YS1J	3744'	3828'	84'	15-3/4
23	6-3/4"	Reed	YS1J	3828'	3895'	67'	13
24	6-3/4"	Reed	YT1A	3895'	3991'	96'	13-1/4
25	6-3/4"	Reed	YT1A	3991'	4052'	61'	12
26	6-3/4"	HTC	OSC3J	4052'	4221'	169'	13-1/2
27	6-3/4"	HTC	OSC3J	4221'	4364'	143'	12-1/2
28	6-3/4"	HTC	OSC3J	4364'	4492'	128'	12-1/4
29	6-3/4"	Reed	YT3J	4492'	4542'	50'	11-1/4
30	6-3/4"	Reed	YT3J	4542'	4580'	38'	8
31	6-3/4"	Reed	SMC5J	4580'	4625'	45'	17-1/4
32	6-3/4"	Smith	V2HJ	4625'	4656'	31'	8
33	6-3/4"	Smith	V2HJ	4656'	4688'	32'	8
34	6-3/4"	Reed	YHWG	4688'	4736'	48'	11-3/4
35	6-3/4"	Smith	L4HJ	4736'	4766'	30'	9
36	7-7/8"	Reed	YS4G	426'	686'	Reamed 260'	9
37	6-3/4"	Reed	YHGJ	4766'	4785'	19'	8-3/4
38	6-3/4"	Smith	V2HJ	4785'	4842'	57'	9-1/2
39	6-3/4"	HTC	OWV	4842'	4964'	122'	13-1/2

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS CONSERVATION  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING  
\*\*\*\*\*

Well Name and Number Cullen - H.S. Pet - Gov't #1 43-019-30122

Operator Ferguson & Bosworth

Address P. O. Bin 2427 - Bakersfield, Calif. 93303

Contractor Pease Drilling Co.

Address P.O. Box 548 - Grand Junction, Colorado 81501

Location NE 1/4, NE 1/4, Sec. 7, T. 24 W., R. 21 E., Grand County.  
S. R.

Water Sands:

<u>Depth:</u>		<u>Volume:</u>	<u>Quality:</u>
<u>From -</u>	<u>To -</u>	<u>Flow Rate or Head -</u>	<u>Fresh or Salty -</u>
1.	<u>No water flows were encountered</u>		
2.			
3.			
4.			
5.			

(Continue on Reverse Side if Necessary)

Formation Tops:

Kayenta 885'	Moenkopi 2380'
Wingate 1173'	White Rim Sand 4809'
Chinle 1570'	

- NOTE:
- (a) Upon diminishing supply of forms, please inform this office.
  - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (see back of this form)
  - (c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

March 28, 1973

Ferguson and Bosworth  
Box 2427  
Bakersfield, California 93303

Re: Well No. Cullen Gov't. #1  
Sec. 7, T. 24 S, R. 21 E,  
Grand County, Utah

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the months of November-December, 1972 thru' January-February, 1973, for the subject well.

Rule C-22(1), General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1b, (U.S. Geological Survey Form 9-331), "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your cooperation with regard to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DeROSE  
SUPERVISING STENOGRAPHER

:sd

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

**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  
Ferguson & Bosworth

3. ADDRESS OF OPERATOR  
P.O. Bin 2427, Bakersfield, California 93303

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 660'S of N. Line & 660'W of E Line of Sec. 7  
  
At top prod. interval reported below  
  
At total depth

5. LEASE DESIGNATION AND SERIAL NO.  
Utah #0140959

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Cullen-H.S. Pet.-Gov't

9. WELL NO.  
#1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 7, T.24S-R.21E SLB&M

12. COUNTY OR PARISH Grand 13. STATE Utah

15. DATE SPUDDED 12-9-72 16. DATE T.D. REACHED 2-20-73 17. DATE COMPL. (Ready to prod.) Abd. 2-21-73 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 4855' K.B. 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 4964' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY Rotary 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  
Electric Log & Gamma-Ray Neutron 27. WAS WELL CORED  
NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32.30	254'	13-3/4"	225 Sacks Class A	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					None		

31. PERFORATION RECORDED (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	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)

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

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

SIGNED John P. Amundson TITLE Engineer DATE 4-06-73

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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:  
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Kayenta	885'		
Wingate	1173'		
Chinle	1570'		
Moenkopi	2380'		
White Rim	4809'		

APR 16 1973

# DIVISION OF OIL AND GAS

## History of Oil or Gas Well

OPERATOR FERGUSON & BOSWORTH FIELD Wildcat  
 Well No. Cullen-H.S. Pet.-Gov't #1, Sec. 7, T. 24S, R. 21E, S.L.B. & M.  
Grand Co., Utah  
 Date April 9, 19 73 Signed John R. Amund  
P. O. Bin 2427  
Bakersfield, California 93303 327-4811 Title Engineer  
(Address) (Telephone Number) (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date	
<u>1972</u>	
12-8	Moved in Pease Drilling Co. Rig #2, Slats Thompson, Tool Pusher.
12-9	Rigged up, drilled rat hole and spudded in at 5:00 P.M. with 13-3/4" bit. Drilled to 68'. Average drill rate 10'/hour.
12-10	Drilled 13-3/4" hole to 254', average drill rate 10'/hour. Conditioned hole, pulled out to run casing. Ran 8 joints of 9-5/8" 32.30# H-40 casing, total on hook including cement guide shoe 254.84'. Hung shoe at 254', centralizer @ 222'. Cemented casing with 225 sacks class A cement all treated 3% Calcium chloride. Displaced top rubber plug with 107 cu. ft. of water, approximately 28 cu. ft. of cement returned to surface and was in place at 10:30 P.M. Stood cemented.
12-11	Stood cemented 16 hours waiting on cement and welder. Landed casing and installed blow out equipment. Tested positive and pipe rams with 1000 psig. for 15 minutes. Tests were OK.
12-12	Ran in with 8-3/4" bit, drilled out shoe at 3:00 A.M. Drilled to 330' and lost circulation. Mixed lost circulation material and gel. Resumed drilling at 8:00 A.M. with full circulation. Drilled to 744', average drill rate 29'/hour.
12-13	Drilled to 814' with 8-3/4" bit, average drill rate 22'/hour. Dropped survey and pulled out to change bits. Deviation at 804' off scale on 6° instrument. Ran in with 8-3/4" bit and surveyed hole with 12° instrument as follows: 430' 2-1/2°, 629' 6°, 814' 12°. Pulled out of hole, ran in with open end drill pipe to 814' and circulated. Waited on cementers.
12-14	Hooked up Dowell cementers, plugged back hole in 2 stages. With drill pipe at 814' pumped in 130 sacks class A cement, displaced with 21 cu. ft. of mud to point of equalization and pulled out. Cement was in place at 2:00 A.M. Stood cemented 5 hours, felt for and found top cement plug at 500'. Hung open end drill pipe at 500', pumped in 120 sacks class A cement, 2256# sand all treated 2% Calcium chloride (154 cu. ft. of Slurry). Calculated to plug back to 154'. Cement was in place at 7:00 A.M. Stood cemented 5 hours, ran in with bit and found top of cement at 190'. Wiped off plug to 254'. Pulled out of hole, stood cemented.

- 12-15 Ran in with stiff drilling hookup: Bit, 6 Point reamer, 7"x10' drill collar, 8-3/4" Drilco stabalizer, 5-1/2"x28' drill collar, Rubber Sleeve stabilizer then 10 - 5-1/2"x30' drill collars. Drilled off plug at 254' at 9:00 A.M. to side track hole. Drilled to 418', sample cuttings were all cement, following old hole. Pulled out of hole and waited on Dyna-Drill.
- 12-16 Ran in with 6-1/2" Dyna-Drill, 2 1/2° bent sub and 7" Monel collar. Re-surveyed hole, oriented tools and drilled 8-3/4" hole to 534'. Side tracked old hole at 432'. Ran in with Pendulum type hookup: Bit, 2 drill collars, Drilco stabilizer, 2 drill collars, Drilco stabilizer, 2 drill collars, Drilco rubber sleeve stabilizer. Began reaming to bottom at 463'. Reamed to bottom then drilled ahead to 609'. Surveys: 383' 2-1/2° S 40° E, 438' 1° S 55° E, 469' 1-1/2° N 15° W, 555' 1-1/2°, 597' 1°.
- 12-17 Drilled 8-3/4" hole to 720' with Pendulum hookup. Deviation at 710' 1/4°. Pulled out, ran in with stiff hookup: Bit, 6 point reamer, 7"x10' drill collar, Drilco stabilizer, 5-1/2"x28' drill collar, Drilco rubber sleeve stabilizer and 8 drill collars. Reamed from 432' to bottom at 720' then drilled ahead to 804' Average drill rate 12'/hour, used light (4-5 tons) drilling weight. Surveys: 628' 3/4°, 659' 3/4°, 690' 1/2°, 710' 1/4°, 758' 1/4°.
- 12-18 Drilled 8-3/4" hole to 1054' with stiff drilling hookup. Average drill rate 14'/hour. Surveys: 821' 1/4°, 884' 1/4°, 935' 1/4°, 1000' 1/2°, 1020' 1/4°. Rocky Mountain Geo-Engineering began mud logging operation at 1000'.
- 12-19 Drilled 8-3/4" hole to 1350' with stiff drilling hookup. Average drill rate 16'/hour. Surveys: 1100' 3/4°, 1163' 1°, 1194' 1°, 1215' 1°, 1275' 1-1/4°.
- 12-20 Drilled 8-3/4" hole to 1806' with stiff drilling hookup. Average drill rate 22'/hour. Surveys: 1340' 1-1/2°, 1400' 1-1/2°, 1465' 1-1/4°, 1525' 1-1/4°, 1597' 1°, 1659' 1/2°, 1754' 1°.
- 12-21 Drilled 8-3/4" hole to 2121' with stiff drilling hookup. Average drill rate 19'/hour. Surveys: 1817' 1-3/4°, 1845' 1-3/4°, 1965' 1-1/2°, 2025' 1-3/4°, 2099' 2-1/4°.
- 12-22 Drilled 8-3/4" hole to 2250' with stiff drilling hookup. Average drill rate 7'/hour. Surveys: 2146' 2-1/4°, 2180' 3°, 2210' 2-3/4°.
- 12-23 Drilled 8-3/4" hole to 2356' with stiff drilling hookup. Average drill rate 6'/hour. Surveys: 2254' 2-3/4°, 2286' 3°, 2308' 3°, 2340' 3°.
- 12-24 Drilled 8-3/4" hole to 2387' with stiff drilling hookup. Average drill rate 4'/hour. Survey: 2370' 3-1/4°. Drilled to 9:00 A.M. Pulled out, drained rig and shut down for Christmas.
- 12-25 Shut down for Christmas.

- 12-26 Started up at 8:00 A.M., thawed out motors. Laid down 8-3/4" stiff drilling assembly. Ran in hole with 7-7/8" bit, 5" Dyna-Drill, 2° bent sub and Monel collar. Strapped pipe in hole, found 23' error in measurement. Actual total depth 2410'. Directionally surveyed hole, at 2308' 3-1/4° N 22 E. Dyna-Drilled to 2501' with 7-7/8" bit and pulled out. Surveys: 2399' 3-1/4° N 22 E, 2460' 2° N 75 E.
- 12-27 Ran in with 7-7/8" bit, straight hole Dyna-Drill, Monel drill collar and Drilco stabilizer 40' above bit and drilled to 2596'. Average drill rate 12'/hour. Survey at 2529' 2-1/4° S 45 E. Pulled out of hole. Ran in with 6-3/4" Christensen diamond drilling bit, Christensen stabilizer above bit, straight hole Dyna-Drill and 8 5-1/2" drill collars drilled 6-3/4" hole to 2700'. Average drill rate 15'/hour. Survey at 2688' 2-1/2° S 70 E.
- 12-28 Drilled 6-3/4" hole with Diamond bit and Dyna-Drill to 2936'. Average drill rate 12'/hour. Survey at 2880' 5-1/4°, at 2936' Dyna drill stopped working, pulled out.
- 12-29 Laid down Dyna-Drill, Monel collar and Diamond bit. Ran in with 7-7/8" bit, 5-1/2"x30' drill collar, Drilco 3 pt. reamer then 8 5-1/2" drill collars. Opened 6-3/4" hole to 7-7/8" from 2596' to 2875'. Twisted off, pulled out, recovered 1 drill collar. Left 7-7/8" bit, 5-1/2"x30' drill collar, 3 pt. reamer and 7 5-1/2" collars in hole. Top of fish at 2640'. Shut down rig to repair equipment and await better weather conditions (3' snow on location). Rig shut down at 8:00 P.M.
- 12-30  
thru  
1-21-73 Shut down.
- 1-22 Started rig up at 8:00 A.M. Moved in D-300 pump and Desander. Started up motors, thawed out mud tanks. Began laying down 6" drill collars in derrick, twisted off drive shaft. Repaired drive shaft while thawing out equipment. Laid down 6" collars, hooked up D-300 mud pump, thawed out flow line. Circulated mud through Flowline via fill-up line. Thawed out water lines & Kelly.
- 1-23 Thawed out C-250 stand by pump. Picked up 10 5-1/2" drill collars with 5-1/4" fishing necks. Ran in with 7-7/8" bit, hit bridge at 1450'. Circulated and conditioned mud on top of bridge. Mixed lost circulation material due to minor loss of drilling fluid. With full circulation, cleaned out firm bridge from 1450-80'. Had minor bridging or tight hole to 2567'. Hit firm bridge at 2567', reamed thru at 2575'. Formation heaved in after pulling above 2567'. Built mud weight to 9.6#/gal. and viscosity to 41. Cleaned out bridge, ran into 2625', hit bridge. Cleaned out bridge from 2625' to top of fish at 2640'. Conditioned mud and circulated hole clean. Pulled out of hole.

- 1-24 Ran in with over shot, jars, 10 5-1/2" drill collars, an accelerator on top of drill collars. Worked over and latched on to fish. Jarred once with 80,000# and fish came loose. Chain tonged out of hole. Laid down old 5-1/2" drill collars and 3 pt. reamer. Broke down and loaded out fishing tools. Ran in with 7-7/8" bit, cleaned out to 2875', opened 6-3/4" hole from 2875' to 2936' and drilled to 2937'. Circulated hole clean and pulled out.
- 1-25 Completed pulling out of hole at 1:30 A.M. Waited on Bent sub for Dyna drill until 12:00 P.M. Ran in with 6-3/4" Christensen diamond bit, Dyna drill and Monel collar. Oriented tools and began drilling ahead at 5:45 P.M. Drilled 6-3/4" hole to 2968', average drill rate 6.2'/hour.
- 1-26 Dyna drilled 6-3/4" hole to 3047', average drill rate 5.5'/hour. Deviation: 2969' 5-1/4° E, 2999' 4-3/4° N 80 E.
- 1-27 Dyna drilled 6-3/4" hole to 3134', average drill rate 4.6'/hour. Deviations: 3032' 3-3/4° N 60 E, 3063' 3-1/4° N 50 E, 3094' 2-3/4° N 34 E.
- 1-28 Dyna drilled 6-3/4" hole to 3205', average drill rate 4.2'/hour. Deviation: 3126' 2° N 5 E. High speed Dyna drill stopped with 49 rotating hours on it. Changed to low speed motor.
- 1-29 Dyna drilled 6-3/4" hole to 3318', average drill rate 5.7'/hour. Deviation: 3203' 1-3/4°, 3266' 1-1/4°. Drilled to 3303' with Diamond bit, made 366' in 74 hours. Ran in with 6-3/4" rock bit.
- 1-30 Dyna drilled 6-3/4" hole to 3422', average drill rate 11'/hour. Deviations: 3329' 2-1/2°, 3361' 2°, 3392' 1-1/2°.
- 1-31 Dyna drilled 6-3/4" hole to 3422', average drill rate 9.6'/hour. Pulled out, laid down Dyna drill. Low speed motor, had 38-1/4 rotating hours on it. Ran in with stiff hookup to control deviation. It consisted of a bit, 3 pt. reamer, 4-7/8"x11' drill collar, Drilco integral stabilizer, 5-1/2"x30' drill collar, Drilco rubber sleeve stabilizer, then 9 5-1/2" drill collars. The stiff hookup required reaming hole from 2990' to bottom. Drilled ahead with 6-3/4" bit to 3485', average drill rate 6.2'/hour. Deviations: 3422' 1/2°, 3475' 3/4°.
- 2-1 Drilled 6-3/4" hole to 3549', average drill rate 6.4'/hour. Lost 3 buttons down the hole off slips while handling drill collars on trip. Ran in with Magnet. Worked Magnet on bottom and pulled out. Recovered the three buttons. Deviation at 3507' 3/4°. Changed stiff hookup. Ran 4-1/2"x30' Spiral drill collar on top of intregal stabilizer and moved 5-1/2"x30' drill collar above rubber sleeve with other collars.
- 2-2 Drilled 6-3/4" hole to 3655', average drill rate 5.8'/hour. Deviations: 3539' 3/4°, 3571' 1-1/4°, 3609' 1°, 3643' 2°.

- 2-3 Drilled 6-3/4" hole to 3697', average drill rate 4.3'/hour. Pulled out to change bits and pulled in to Key seat at 550', worked pipe. Rigged up Driving tool and knocked pipe loose. Worked pipe past key seat, reamed bad spot with Kelly and pulled out. Ran in with new bit, rereamed hole from 500' to 590'.
- 2-4 Drilled 6-3/4" hole to 3767', average drill rate 4.6'/hour. Deviations: 3726' 2°, 3767' 2-1/4°.
- 2-5 Drilled 6-3/4" hole to 3870', average drill rate 5.5'/hour. Deviations: 3789' 2°, 3855' 2-1/2°.
- 2-6 Drilled 6-3/4" hole to 3977', average drill rate 6.4'/hour. Deviations: 3882' 2-1/2°, 3913' 2°, 3943' 2°.
- 2-7 Drilled 6-3/4" hole to 4054', average drill rate 5.7'/hour. Key seat between 500-50' giving increased trouble on trips. Ran in with string Key seat wiper, 7 stands from top (471') could not rotate, pulled up and put wiper 5 stands from top (at 349') and drilled ahead. Deviation: 3974' 2°.
- 2-8 Drilled 6-3/4" hole to 4221', average drill rate 12'/hour. Removed Key seat wiper from string, holding up drilling rate. Deviations: 4069' 2°, 4130' 2-1/2°, 4192' 3-1/4°.
- 2-9 Drilled 6-3/4" hole to 4364', average drill rate 11.4'/hour. Worked pipe thru Key seat and reamed down through on trip in. Deviations: 4223' 3°, 4287' 3-1/4°, 4349' 3-1/2°.
- 2-10 Drilled 6-3/4" hole to 4518', average drill rate 9.6'/hour. Deviations: 4511' 3-3/4°, 4474' 4°.
- 2-11 Drilled 6-3/4" hole to 4580', average drill rate 5.4'/hour. Light plant was down from 1:00 A.M. to 4:45 A.M. Controlled drilling during that interval. Drilled to 9:45 P.M., dropped survey instrument before tripping. Put Kelly on to lower pipe to bottom, drill pipe was stuck. Worked drill pipe.
- 2-12 Worked pipe, pumped in 35 bbls. of diesel oil mixed with 60 gallons of Baroid "Scot-Fee", displaced past drill collars. Oil in place at 6:15 A.M. Displaced 2 bbls. at 6:30 A.M., 6:45 A.M. and at 7:15 A.M. Worked pipe after each displacement. Pipe came loose at 7:30 A.M. Conditioned mud and pulled out. Worked thru Key seat and reamed same on trip in. Drilled 6-3/4" hole to 4610', average drill rate 3.3'/hour.
- 2-13 Drilled 6-3/4" hole to 4625', pulled out. Left nose of one cone and a row of inserts (10) off of Button bit in hole. Ran in with new bit, worked bit on bottom to sidetrack junk and drilled ahead to 4656'. Average drill rate 4610-4656', 3'/hour. Deviations: 4620' 4-1/4°, 4632' 4-1/4°.
- 2-14 Drilled 6-3/4" hole to 4710', average drill rate 4.2'/hour. Deviation at 4680' 5°.

- 2-15 Drilled 6-3/4" hole to 4736', average drill rate 3.9'/hour. Pulled out, worked thru Key seat. Ran in with new bit, reamed Key seat. Stuck pipe in Key seat with bottom of Kelly 2' below table. Closed pipe rams on blow out preventor. Cut window in pitcher nipple. Heated tool joint and backed out Kelly. Replaced Kelly with joint of drill pipe, opened rams on B.O.P., and rigged up Driving sub. Knocked pipe loose, worked out past Key seat and checked drill collars and bit. Reamed Key seat and ran in hole.
- 2-16 Drilled 6-3/4" hole to 4766', average drill rate 3.3'/hour. Pulled out, worked past Key seat. Ran in with 7-7/8" bit, picked up 2 Grant string reamers. Placed 1st reamer 30' above bit and second reamer 90' above bit. First reamer dressed to 7-1/2" and 2nd to 7-3/4". Began reaming at 426', reamed to 520'.
- 2-17 Reamed to 686' with Grant reamers, pulled out, laid down reamers and 7-7/8" bit. Ran in with 6-3/4" bit, drilled to 4785', average drill rate 2.2'/hour. Pulled out, was working through Key seat when light plant blew up at 11:00 P.M.
- 2-18 Replaced light plant, in operation at 6:00 A.M. worked thru Key seat, laid down stiff hookup consisting of 3 pt. reamer, 4-7/8"x11' drill collar, Drilco integral stabilizer, 4-1/2"x30' spiral drill collar and Drilco rubber sleeve stabilizer. Waited on loggers.
- 2-19 Ran open end drill pipe to 732'. Rigged up Schlumberger, began logging operation at 1:00 A.M. Ran Gamma-Ray Neutron tool through drill pipe, completed logging operation at 8:00 A.M. Ran in with bit and drilled 6-3/4" hole to 4842', average drill rate 6'/hour. Deviation: 4830' 4°.
- 2-20 Drilled 6-3/4" hole to 4964', average drill rate 9'/hour. Deviations: 4830' 4°, 4934' 2-1/4°. Circulated and conditioned mud, pulled out to log.
- 2-21 Ran in with open end drill pipe to 690'. Rigged up Schlumberger, ran 2nd stage Gamma-Ray Neutron log and 1st stage Electric log. Began logging at 1:00 A.M., completed logging operation at 10:00 A.M. Laid down drill collars, ran in with open end drill pipe to 4800'. Plugged well for abandonment as below.
- Plug #1 Hung open end drill pipe at 4800', pumped in 40 sacks class A cement. Displaced to equalization point with mud and pulled out. Cement calculated to plug back to 4612'. In place at 2:42 P.M.
- Plug #2 Hung open end drill pipe at 2400', pumped in 40 sacks class A cement. Displaced to equalization point with mud and pulled out. Cement calculated to plug back to 2288'. Plug in place at 5:05 P.M.
- Plug #3 Hung open end drill pipe at 1600', pumped in 40 sacks class A cement. Displaced to equalization point with mud and pulled out. Cement calculated to plug back to 1488'. Plug in place at 5:45 P.M.
- Plug #4 Hung open end drill pipe at 253', pumped in 50 sacks class A cement. Displaced to equalization point with mud and pulled out. Cement calculated to plug back to 120'. Plug in place at 7:05 P.M.
- Plug #5 Cemented at surface with 5 sacks class A cement (12' plug), cut off casing head. Welded on steel cap with U.S.G.S. marker.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN THE CATE\*  
(Other instr. for re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. LEASE DESIGNATION AND SERIAL NO.

Utah #0140959

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cullen-H.S.Pet.-Gov't.

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 7-T24S-R21E SLB&M

12. COUNTY OR PARISH 13. STATE

Grand

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

FERGUSON & BOSWORTH

3. ADDRESS OF OPERATOR

P. O. Box 2427, Bakersfield, California 93303

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.)

4855 K.B.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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

Abandonment Procedure:

- I. Hung open end drill pipe at 4800', pumped in 40 sacks class A cement. Calculated to plug back to 4612'.
- II. Hung open end drill pipe at 2400', pumped in 40 sacks class A cement. Calculated to plug back to 2288'.
- III. Hung open end drill pipe at 1600', pumped in 40 sacks class A cement. Calculated to plug back to 1488'.
- IV. Hung open end drill pipe at 253', pumped in 50 sacks class A cement. Calculated to plug back to 120'.
- V. Cemented at surface with a 12' cement plug 5' below ground level.
- VI. Abandoned sump, smoothed and cleaned up location. Seeded location and road per instructions from Bureau of Land Management. Abandoned well in this condition.

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

SIGNED John R. Amundsen TITLE Engineer

DATE 9/12/73

(This space for Federal or State office use)

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

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: