

FILE NOTATIONS

Entered in NID File _____

Checked by Chief _____

Entered On S R Sheet _____

Copy NID to Field Office _____

Location Map Pinned _____

Approval Letter _____

Card Indexed _____

Disapproval Letter _____

IWR for State or Fee Land _____

COMPLETION DATA: 10-21-53 (WELL LOG)Date Well Completed 1-3-54

Location Inspected _____

OW _____ WW _____ TA _____

Bond released _____

GW _____ OS _____ PA

State of Fee Land _____

LOGS FILEDDriller's Log 7-14-65Electric Logs (No.) NKR

E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____

Lat _____ MI-L _____ Sonic _____ Others _____

BULL CANYON* (Wildcat) - Emery County

2-188-10E C SW NW, Equity Oil Co. #1 (State), Ref. #1
 STATUS: Drg 2945' (Co. 11-3-53)
 REMARKS: NEW DRILLING WELL. Spud 10-10-53 for
 intended 4500' strat test. 10-3/4" sc 120' w/80 sx.
 *Named by operator, but subject to change.

OCT -- 1953

STATUS: Drg 4200' (Co. 11-30-53)
 NOV -- 1953 REMARKS: Tests and tops not yet released.

STATUS: Drg 4825' (Co. 12-22-53)
 DEC -- 1953 REMARKS: Tight hole.

STATUS: Abd 5133' Penn. (Co. 1-29-54)
 JAN 1954 REMARKS: DRY HOLE OR FAILURE. Geologic data not yet
 released. Plugged 1-3-54.



... UTAH NEW LOCATIONS ...

DUCHESE COUNTY:

31-118-16E, NE NE WILDCAT, 36 mi NE/Price, 4000' Green River-Wasatch test; C/Co.
 EL PASO NAT. GAS CO. Tools; Elev 6845' Grd; Loc.
 #1 Minnie Maud Unit

... UTAH COMPLETIONS ...

EMERY COUNTY:

State Land

2-188-10E (Wildcat) EQUITY OIL CO., #1 Strat Test, 4500' test
 Location: SW NW, Bull Canyon Area, 10 mi NE/Castledale
 Spud: 10-10-53; Comp: (?); Elev: Not available; TD: 5133';
 Casing: 10 3/4" 120'/100 sx; C/Co. Tools;
 Prod Zone: None
 IP: D&A
 Comp Info. Will recomplete when detailed information available.
 Tops: No data to be released.

(DRY)
 RECEIVED
 FEB 25 1954

July 6, 1965

Equity Oil Company
806 American Oil Building
Salt Lake City, Utah

Re: Well No. Bull Canyon State #1,
Sec. 2, T. 18 S., R. 10 E.,
Emery County, Utah

Gentlemen:

Upon checking our files we find that we do not have a driller's log and electric and/or radioactivity logs for the above mentioned well. It was also noted that we have very little information on said well. This well was drilled prior to the establishment of the Commission, however, we are making an attempt to complete our records on wells that have been drilled in the state.

It would be appreciated if you could forward said information and logs to this office as soon as possible.

Thank you for your assistance in this request.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER
RECORDS CLERK

KGH/arl

EQUITY OIL COMPANY

806 AMERICAN OIL BUILDING
SALT LAKE CITY, UTAH 84101

July 13, 1965

Utah Oil & Gas Conservation Commission
Suite 301
348 East South Temple
Salt Lake City, Utah

Gentlemen:

In response to your letter of July 6, 1965, we are enclosing a Completion Report on our Bull Canyon State #1 Well (2-18S-10E, Emery County, Utah). There ~~are~~^{were} no Electrical Logs or Radioactivity Logs run on this well.

In accordance with your letter of July 12, 1965, we are also enclosing the following logs on our Mounds No. 2 and No. 4 wells in Section 4-16S-12E, Emery County, Utah.

Mounds No. 2:	Electrical Log, Run #1 Radiation Log (McCullough), Run #1 Limestone Survey, Run #1 MicroLog, Run #1
Mounds No. 4:	Electrical Log, Run #1

Very truly yours,

EQUITY OIL COMPANY


A. K. Clayton
Assistant Secretary

AKC/jf

Enclosures

SUBMIT IN DUPLICATE*

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

(See other instructions on reverse side)

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
Equity Oil Company

3. ADDRESS OF OPERATOR
806 American Oil Building, Salt Lake City, Utah

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface **2310' FNL & 330 FWL (SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$)**
 At top prod. interval reported below
 At total depth

5. LEASE DESIGNATION AND SERIAL NO.
ML 4820

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
#1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Section 2-T 18S, R 10E

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH
Emery

13. STATE
Utah

15. DATE SPUDDED **10-10-53** 16. DATE T.D. REACHED **12-21-53** 17. DATE COMPL. (Ready to prod.) **P & A** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **?** 19. ELEV. CASINGHEAD **?**

20. TOTAL DEPTH, MD & TVD **4833** 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY **0 - 4833** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN **None** 27. WAS WELL CORED
Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	32.75#	120'	13-3/4	Cemented to surface	--

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 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 **1. List of Drill Stem Tests 2. Sample Description 3. Core Description**

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

SIGNED *B. E. Johnson* TITLE Engineer DATE July 13, 1965

*(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 38, 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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
			See Sample and Core Descriptions attached.				
				Cedar Mtn.	Surface		
				Buckhorn	230		
				Morrison	360		
				Curtis	980		
				Entrada	1190		
				Chinle	2916		
				Shinarump	3120		
				Moenkopi	3170		
				Mar. Moenkopi	3460		
				Sinbad	3662		
				Low Moenkopi	3751		
				Kaibab	4039		
				Coconino	4092		
				Pennsylvanian	4621		
				TD	4833		

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

38. GEOLOGIC MARKERS

JUL 14 1965

Bull Canyon State #1
Sec. 2-18S-10E
Emery County, Utah

DRILL STEM TESTS

11-15-53: DST No. 1 (Halliburton) - 3659' - 3759'

7/8" bottom choke, open 4 hours, 30 minutes, shut in 30 minutes. Tool opened with a weak blow that continued throughout test. Recovered 447' gas cut mud.

IHMP	1785#
IFP	30#
FFP	175#
SIP	775#
FHMP	1785#

11-21-53: DST No. 2 (Halliburton) - 3659'- 3759'

7/8" bottom choke, open 21-3/4 hours, did not shut in. Tool opened with weak blow, after 6 hours, started swabbing. Swabbed for 15-3/4 hours, recovered 75' of drilling mud, slightly oil and gas cut.

IHMP	1730#
IFP	15#
FFP	50#
FHMP	1730#

11-25-53: DST No. 3 (Halliburton) - 4087' - 4164'

1/2" bottom choke, opened 1 hour, shut in 30 minutes. Tool opened with a very weak blow. Recovered 10' of drilling mud.

IHMP	1970#
IFP	8#
FFP	15#
SIP	35#
FHMP	1970#

EQUITY OIL COMPANY
 #1 Strat (Bull Canyon Area)
 SW SW NW, Sec. 2, 5 18S, R 11E.
 Emery County, Utah

SAMPLE DESCRIPTION

<u>Depth</u>	<u>Description</u>
700 - 740'	Siltstone: Grey - green, calcareous, finely arenaceous, micaceous, w/thinstrings darker grey-green, dense, argill. limestone, both commonly cherty (blue-black) w/common cream colored, fine to coarse, calcareous sandstone w/varicolored chert grains. Minute white pulverized gypsum and crystalline anhydrite.
740 - 750	Limestone: Dark grey-green, argillaceous, dense w/interfingered siltstone and sandstone, as above. Common white anhydrite and minute chert.
750 - 770	Siltstone & Limestone: as above w/trace cream colored sandstone
770 - 780	Limestone: Grey-green, argillaceous, w/common white anhydrite and minute calcareous, finely arenaceous siltstone.
780 - 800	Limestone & Siltstone: as above w/streaks of calcareous, cream colored sandstone, fine to coarse and conglomeritic w/varicolored chert grains, common white anhydrite.
800 - 820	Limestone: Grey-green, argillaceous, w/minute interbedded siltstone and trace of cream colored sandstone, as above
820 - 830	Siltstone: Chocolate, calcareous, finely micaceous w/minute chocolate to maroon shale w/equal amount of grey to green siltstone and argillaceous limestone, anhydritic, w/minute cream grains sandstone, trace chert.
830 - 850	Siltstone: as above, w/common green and cream conglomerate streaks, sandstone, very cherty.
850 - 870	Siltstone: as above, with trace conglomerate sandstone, minute faded purple shales, common chert.
870 - 880	Siltstone & Shale: Chocolate, maroon and grey, green and minute faded purple with trace of grey-green argillaceous limestone and fine-grained, green sandstone. Minute white anhydrite.
880 - 890	Siltstone & Shale: as above, generally variegated w/minute argillaceous limestone, common cream and lt. green calcareous
890 - 900	Siltstone and shale: Chocolate and maroon, w/trace grey-green and trace of sandstone, as above. Minute anhydrite.

- 900 - 950 Shale: Chocolate, calcareous, silty, finely micaceous, w/ trace chocolate siltstone, finely arenaceous, in part
- 950 - 980 Shale: as above, w/trace grey-green and minute white crystalline anhydrite veinlets.

Top Curtis Formation - 980'

- 980 - 1010 Sandstone: Light greenish-grey, calcareous, shaley, fine to medium w/abundant black chert and chlorite grains, finely micaceous, no por or perm.
- 1010 - 1060 Sandstone: as above w/minute grey-green arenaceous siltstone and reddish brown calcareous shale
- 1060 - 1090 Sandstone: As above, anhydritic, generally soft and friable Trace black carbonaceous residue.
- 1090 - 1110 Sandstone: As above, hard, dense, w/minute interbedded variegated shales.
- 1110 - 1120 Sandstone: As above, w/common dark grey, calcareous shale & light grey, wavy, bentonitic shale w/minute interbedded variegated shales and siltstone
- 1120 - 1130 Sandstone: As above w/minute thin conglomerate streaks.
- 1130 - 1190 Sandstone: As above w/minute conglomerate streaks, light tan, calcareous, sandstone, and common interbedded variegated shale, cherty.

Top Entrada Sandstone - 1190'

- 1190 - 1310 Sandstone: Reddish-brown, fine to medium grained, good double sorting, calcareous, shaley, anhydritic, finely micaceous, hard & dense w/minute chocolate shale partings, samples are quite poor through this section - cavings.
- 1310 - 1360 Sandstone: As above, w/minute thin, gritty conglomerate streaks and highly micaceous chocolate shale partings.
- 1360 - 1400 Sandstone: As above, w/common crystal to conglomerate size grains
- 1400 - 1430 Sandstone: As above, w/chocolate shale increasing to approx. 40%
- 1430 - 1450 Sandstone: As above, w/decreasing amount chocolate shale.
- 1450 - 1470 Sandstone & Shale: As above, approximately 50 - 50.
- 1470 - 1510 Sandstone: As above, w/approximately 20% shale
- 1510 - 1530 Shale: Chocolate, slightly calcareous, silty to arenaceous, finely micaceous, w/minute reddish-brown, calcareous shaley sandstone, interbedded common white anhydrite.

- 1530 - 1670 Sandstone; As above, w/minute chocolate shale
- 1670 - 1680 Sandstone: As above, w/common chocolate shale
- 1680 - 2600 Samples to cluttered w/cavings to run with any accuracy.
- 2600 - 2630 Siltstone: Reddish-brown, finely micaceous and arenaceous, anhydritic, w/minute chocolate and pale-green waxy shale partings. Trace green and white, fine grained sandstone. Abundant black
- 2630 - 2660 Sandstone: Cream and reddish-brown, with minute light lavender generally fine to silty, w/medium to coarse, subangular to subrounded, white, minute chock, and grey sandy shale partings. Abundant white pulverized gypsum. Trace black hydrocarbon.
- 2660 - 2690 Sandstone: As above, but generally cream colored, medium to coarse, well sorted.
- 2690 - 2730 Sandstone: As above, becoming light reddish-brown, w/decrease of cream-colored. Abundant white pulverized gypsum and interstit. gyp. or anhydrite. Trace of conglomerate-size quartz "floater" grains.
- 2730 - 2760 Sandstone: As above, but generally cream-colored gypsum.
- 2760 - 2840 Sandstone: As above, generally fairly evenly proportioned between cream, light orange, reddish-brown and light lavender
- 2840 - 2880 Sandstone: As above, gnerally cream colored w/common crystals to grit-sized sand grains and minute varicolored sandstone
- 2880 - 2916 Sandstone: Gnerally varicolored, as above, w/minute variegated shales, trace green shale pellets. Abundant gypsum and anhydrite, commonlarge quartz "floater" grains, trace pyrite.

Top Chinle Shale 2916'

- 2916 - 2920 Siltstone: Reddish-brown, dolomitic, shaley, anhydrite and finely micaceous, finely arenaceous, in part w/ minute white crystalline anhydrite veinlets, trace buff limestone strings and green shale pellets, w/minute chocolate, blue-green and light grey shale partings.
- 2920 - 2930 Siltstone: As above w/increase of chocolate shale, and common chocolate and green shale pellets.
- 2930 - 2970 Shale: Predominantly chocolate colored, w/minute blue-green shale, reddish-brown siltstone, shale pellets and anhydrite, as above

- 2970 - 2980 Shale: As above, w/abundant white pulverized gypsum and anhydrite.
- 2980 - 3020 Siltstone & Shale: General variegated w/common varicolored arenaceous siltstone stringers. Common black "gilsonite appearing" hydrocarbon.
- 3020 - 3030 Sandstone: White and light green tinted, slightly calcareous, fine to medium, poorly sorted, finely micaceous, gypsy, w/common interbedded siltstones and shales, as above, abundant white pulverized gypsum, minute gilsonite in hair-line fractures, as above
- 3030 - 3040 Sandstone; Siltstone and Shale: as above, in a fairly even distribution.
- 3040 - 3050 Shale: Predominantly chocolate brown w/minute interbedded sandstones, siltstone and shales, as above.
- 3050 - 3070 Sandstone: White & light green "tinted", as above with common interbedded chocolate and green shale, siltstone, and white pulverized gypsum, as above, trace buff limestone.
- 3070 - 3080 Shale: Predominantly chocolate w/common interbedded sandstone siltstone and white pulverized gypsum, as above.
- 3080 - 3120 Shale: Chocolate, silty, finely micaceous, w/common mustard colored claystone. Strace sandstone, siltstone, shale and white pulverized gypsum, as above.
- 3120 - 3140 Top Shinarump Zone - 3120'
Shale: Predominantly purple and pale green mottled, slightly calcareous, finely micaceous and large conglomerate chert and quartz "floater" grains, in part, w/minute chocolate micaceous shale, siltstone and variegated shale, interbedded. Common chert and quartz pebbles with black hydro-carbon stain, trace anhydrite.
- 3140 - 3150 Shale: as above, w/general increase of chocolate shale and siltstone
- 3150 - 3170 Conglomerate: Predominantly large quartz pebbles and "floater" grains w/black hydrocarbon stain, w/common interbedded chocolate, purple and variegated shale and siltstone, as above
- 3170 - 3240 Samples Missing
- 3240 - 3260 Shale & Siltstone: Chocolate-brown & light greenish-grey to whitish finely micaceous and arenaceous, slightly calcareous w/minute purple, green & mustard-colored shale.

- 3260 - 3270 Samples missing.
- 3270 - 3300 Shale: Predominantly chocolate colored w/common interbedded siltstone and shale, as above, minute white anhydrite.
- 3300 - 3310 Samples Missing
- 3310 - 3430 Shale: Chocolate colored, as above, w/siltstone, shale & anhydrite, as above.
- 3430 - 3440 Samples Missing
- 3440 - 3460 Shale: Chocolate colored, as above, w/common interbedded variegated shales, siltstones and minute white anhy.
- Top Marine Moenkopi - 3460'
- 3460 - 3509 Siltstone: Light greenish-grey, finely arenaceous & micaceous, calcareous w/interbedded dullgreen, grey brown and chocolate-brown shale, silty in part. Trace black inert hydrocarbon, trace pyrite and white anhydrite mottling.

END OF SAMPLE DESCRIPTION

EQUITY OIL COMPANY

Strat. Test #1
Bull Canyon Area
C SW, NW Section 2
Twp. 18 S., R. 11 E.
17

Diamond Cored: 3509 - 4833' (T. D.)

- 3509 - 3611 Siltstone - Lt. grnish-gry., sli. calc., w/thin discont. lenses, dull, med. grn. shale, finely pyritic, w/common highly mica, partings. All med. hd. and dse. No shows.
- 3611 - 3662 Siltstone & Shale As above, generally, irreg. banded, w/one or two, dirty, dk.-gry. siltstone zone approx. 12 inches thick, w/common blk. hydrocarb. between grs. Minor vert. to oblique., calcite-filled hair-line fractures.
- Top Sinbad Limestone Member - 3662'
- 3662 - 3671 Limestone - Dirty, dk.-gry., oil-stained, highly fractured, both open and calcite-filled, w/common blk. stylolites, oolitic, and commonly silty to finely aren. No visible por. or perm.
- 3671 - 3692 Siltstone - Dirty, brnish-gry. and grnish.-gry., stylolitic, w/min. dull, grn., folo.-shale partings. Min. zones vert. to oblique, calcite-filled, hair-line fractures. Generally massive w/spotty oil-stain. No visible por. or perm.
- 3692 - 3701 Dolomite & Shale Lt. gry. and dull w/dk. grn.
- 3701 - 3717 Siltstone Dirty, med.-gry., finely aren., calc., stylolitic, poorly banded, brecciated, in part, w/one or two vert to oblique, tight, fractures. Minor spotty stain. No visible por. or perm.
- 3717 - 3751 Limestone Med. gry., dse., highly siliceous and fossiliferous, w/ scattered oolites. All very hd. and dse. Minor spotty stain.
- 3751 - 3782 Siltstone & Shale Dirty, dk.-gry., silic., sli. calc., and med., gry-grn. highly pyritic, in thin wavy, discont. lenses, giving irreg. banded appear. Min. finely aren. zones. No shows.
- 3782 - 3803 Shale Choc., brn., silty, finely mica., w/good fissility, common aren. lenses, w/gradual transition to dull-grn. in last 3 feet of core. No shows.
- 3803 - 3867 Shale Dull, grn., dolo., finely mica., silty to finely aren. in part, common finely dissem. pyrite. Petrol. odor on fresh break. No por. or perm.

Strat. Test #1

3867 - 3892	Siltstone	Dirty, dk. gry. silic. to quartzitic, generally massive, w/minor dull, grn. shale breaks. Sli. odor on fresh break.
3892 - 3895	Siltstone & Shale	As above, in alternating laminae. No shows.
3895 - 3904	Siltstone	As above, silic., w/common dk. grn. shale partings.
3904 - 3911	Shale	Med. grn., dolo., pyritic, w/common dk. gry., silic., siltstone lenses.
3911 - 3912	Quartzite	Dirty, dk.-gry. to blk., finely mica., pyritic, w/one or two vert., hair-line fractures.
3912 - 3923	Shale	Predominantly med. grn., w/min. thin partings dk. brnish-gry. shale and dk. gry. siltstone. Pyritic. No shows.
3923 - 3932	Shale	Dk. brnish-gry., as above, w/common laminae dk. gry., siltstone and med. grn. shale. All pyritic.
3932 - 3990	Shale	Dull, grnish-gry., as above.
3990 - 4007	Shale	Reddish-brn., to choc., mica., silty, w/good fissility. Min. wh. anhydrite veinlets.
4007 - 4039	Shale	Dull, grnish-gry., silty, thinly laminated, w/dker. gry.-grn.
Top Kaibab Limestone - 4039'		
4039 - 4063	Dolomite	Dull, gry.-grn., earthy. w/min. zones of crsly. xstal., common dull grn., chert lenses and modules, pyritic and common sugary anhy. mottling. Min fracturing and vugs, w/spotty stain and bleeding. Massive, w/no visible perm.
4063 - 4074	Dolomite	Dull, gry.-grn., as above, w/abundant. wh. any. mottling, cherty and becoming finely aren. Trc. petrol. odor.
4074 - 4092	Quartzite	Dirty, dk.-gry., to blk., dead-oil-stained very hard & dse., fine gr. w/common crs. cherty, common blk. stylolites, pyrite and wh. sugary anhy mottling. No visible por. or perm.
Top Coconino Sandstone - 4092'		
4092 - 4105	Sandstone	Wh., very crs. to conglom. and gritty, well-round, frosted, pitted grs., good x-bedding. Very silic., w/no por. or perm.
4105 - 4136	Sandstone	Dirty, dk.-gry. fine to med., heavily stained w/blk. interstit. hydrocarb. Hd. and dse., w/no por. or perm.

4136 - 4164	Sandstone	Show wh., fine to med., trc. blk. hydro-carb., quite silic., glassy w/a few strks. that appear to have possible por. and perm.
4164 - 4252	Sandstone	wh., fine to med., w/rare lge grs., poorly sorted, w/wll-defined xbedding. No shows.
4252 - 4254	Quartzite	Wh., as above, glassy, silic. cement, no por. or perm.
4254 - 4353	Sandstone	Snow wh., as above, sli. calc., in part, good xbedding-w/min. quartzitic strks. All hd., dense, w/no visible por.
4253 - 4409	Sandstone	As above, but commonly dse, glassy and quartzitic. Massive w/common dissem. pyrite.
4409 - 4478	Sandstone	Snow wh., fine to crs., poorly sorted, subang. to well-rounded, frosted, pitted, grs., w/rare pink, x-bedded, pyritic, hd. and dse, w/no visible por. or perm. Min silic. to quartzitic strks.
4478 - 4621	Sandstone	As above, w/blk iron-stain along bedding planes giving an accentuated paper-thin banded appearance common dissem. pyritic x-stals, and trc. hair-line fractures.
4621 - 4644	Dolomite	Lt. gry. to whish, silic., sandy, w/grttez concent. of snad in upper five feet, finely mica., in part, w/one or two dull-grn. argill. zones. Thin wavy discont. bands, due to iron-stain. All hard and dense, w/ no visible por. or perm.
4644 - 4662	Anhydrite & Colomite	Lt. gry., -buff to whish., w/common pink-stain, very crs. euhedral xstals and common sugary anhy/ zones or mottling. Abundant vuggy porosity - nno visible perm. common vert. to oblique fractures and commonly fossiliferous.
4662 - 4674	Dolomite	Med. gry.-buff to lt. tan, anhydritic, pyritic, dse to micro xstal, w/min discont. lenses dull, med.-grn., dolo. shale, pyritic and finely mica. Min. fracturing. No visible por. or perm.
4674 - 4678	Dolomite	Cream, hd., and dse. to micro xstal., w/common blk. stylolite No perm. or por. highly fractured, last 2 feet.
4678 - 4687	Dolomite	As above, w/common pink xstals, very crsly xstal, w/abund. vuggy por., min dse., zones. Anhydritic, w/min xstal. filled hair-hair line fractures.
4687 - 4702	Dolomite	As above, but brnsh-gry., highly silic., highly fractured. Ltd. w/no visible perm.
4702 - 4712	Dolomite	Cream, crsly. xstal, vuggy, w/common pink inclusions, pyritic stylolites, and sucrose anhy. mottling. Massive. No shows.

- 4712 - 4727 Dolomite Brnsh-gry. and pink-stained, pyritic, w/min. med. gry. argill. partings. Massive, hd., dse, and brittle, w/abund. vert. to oblique, hairline, fractures. No por. or perm.
- 4727 - 4731 Dolomite Cream to whish, w/abund. vuggy por. No shows.
- 4731 - 4801 Dolomite Brnsh.-gry. to lt. tan and pink-stained, dse., common dull - grn., pink and faded purp. mottling in lower 10 feet. No shows.
- 4801 - 4806 Conglom. or Breccia - A varicolored, dolo, materixl mottled lt. gry., dull grn., faded purp., and off-shades red and pink), w/abund. varicolored chert and dolo. pebbles, generally, well rounded and smoothly w/common angular dolo. inclusions or fragments. Massive,hd. and dse.
- 4806 - 4815 Dolomite Lt. tan andpink-stained, dse, w/common rddish, brn., argill, partings.
- 4815 - 4833 Dolomite Predom., brnsh-gry. to lt. tan, massive,hd. and dse. in upper 10 feet, w/common brick-rd and dirty, dk. gry. to blk, fine gr., quartzite stringers, up to 2 or 3 inches thick, common blue-grj., mica, shale partings and mottling. No shows, no por., no perm. Trc. hair-line fractures. A transitional zone

T. D. 4833 - Did not run electric log.

Form OGCC-3

5

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

5. LEASE DESIGNATION AND SERIAL NO.

ML 4820

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Section 2-T 18S, R 10E

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

2. NAME OF OPERATOR
Equity Oil Company

3. ADDRESS OF OPERATOR
806 American Oil Building, Salt Lake City, Utah

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2310' FNL & 330 FWL (SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$)

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH Emery 13. STATE Utah

15. DATE SPUDDED 10-10-53 16. DATE T.D. REACHED 12-21-53 17. DATE COMPL. (Ready to prod.) P & A 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* P 19. ELEV. CASINGHEAD P

20. TOTAL DEPTH, MD & TVD 4833 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → 24. ROTARY TOOLS 0 - 4833 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN None 27. WAS WELL CORED Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	32.75#	120'	13-3/4	Cemented to surface	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 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 1. List of Drill Stem Tests 2. Sample Description 3. Core Description

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

SIGNED [Signature] TITLE Engineer DATE July 13, 1965

*(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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	MEAS. DEPTH	TOP
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				38. GEOLOGIC MARKERS	
			See Sample and Core Descriptions attached.	Cedar Mtn. Buckhorn Morrison Curtis Entrada Chinle Shinarump Moenkopi Mar. Moenkopi Sinbad Low Moenkopi Kaibab Coconino Pennsylvanian TD	Surface 230 360 980 1190 2916 3120 3170 3460 3662 3751 4039 4092 4621 4833

JUL 14 1965

EQUITY OIL COMPANY
 #1 Strat (Bull Canyon Area)
 SW SW NW, Sec. 2, 5 18S, R 11E.
 Emery County, Utah

SAMPLE DESCRIPTION

<u>Depth</u>	<u>Description</u>
700 - 740'	Siltstone: Grey - green, calcareous, finely arenaceous, mica- ceous, w/thinstrings darker grey-green, dense, argill. limestone, both commonly cherty (blue-black) w/common cream colored, fine to coarse, calcareous sandstone w/varicolored chert grains. Minute white pulverized gypsum and crystalline anhydrite.
740 - 750	Limestone: Dark grey-green, argillaceous, dense w/interfingered siltstone and sandstone, as above. Common white anhydrite and minute chert.
750 - 770	Siltstone & Limestone: as above w/trace cream colored sandstone
770 - 780	Limestone: Grey-green, argillaceous, w/common white anhydrite and minute calcareous, finely arenaceous siltstone.
780 - 800	Limestone & Siltstone: as above w/streaks of calcareous, cream colored sandstone, fine to coarse and conglomeritic w/varicolored chert grains, common white anhydrite.
800 - 820	Limestone: Grey-green, argillaceous, w/minute interbedded silt- stone and trace of cream colored sandstone, as above
820 - 830	Siltstone: Chocolate, calcareous, finely micaceous w/minute chocolate to maroon shale w/equal amount of grey to green siltstone and argillaceous limestone, anhydritic, w/minute cream grains sandstone, trace chert.
830 - 850	Siltstone: as above, w/common green and cream conglomerate streaks, sandstone, very cherty.
850 - 870	Siltstone: as above, with trace conglomerate sandstone, minute faded purple shales, common chert.
870 - 880	Siltstone & Shale: Chocolate, maroon and grey, green and minute faded purple with trace of grey-green argillaceous limestone and fine-grained, green sandstone. Minute white anhydrite.
880 - 890	Siltstone & Shale: as above, generally variegated w/minute argillaceous limestone, common cream and lt. green calcareous
890 - 900	Siltstone and shale: Chocolate and maroon, w/trace grey-green and trace of sandstone, as above. Minute anhydrite.

- 1530 - 1670 Sandstone; As above, w/minute chocolate shale
- 1670 - 1680 Sandstone: As above, w/common chocolate shale
- 1680 - 2600 Samples to cluttered w/cavings to run with any accuracy.
- 2600 - 2630 Siltstone: Reddish-brown, finely micaceous and arenaceous, anhydritic, w/minute chocolate and pale-green waxy shale partings. Trace green and white, fine grained sandstone. Abundant black
- 2630 - 2660 Sandstone: Cream and reddish-brown, with minute light lavender generally fine to silty, w/medium to coarse, subangular to subrounded, white, minute check, and grey sandy shale partings. Abundant white pulverized gypsum. Trace black hydrocarbon.
- 2660 - 2690 Sandstone: As above, but generally cream colored, medium to coarse, well sorted.
- 2690 - 2730 Sandstone: As above, becoming light reddish-brown, w/decrease of cream-colored. Abundant white pulverized gypsum and interstit. gyp. or anhydrite. Trace of conglomerate-size quartz "floater" grains.
- 2730 - 2760 Sandstone: As above, but generally cream-colored gypsum.
- 2760 - 2840 Sandstone: As above, generally fairly evenly proportioned between cream, light orange, reddish-brown and light lavender
- 2840 - 2880 Sandstone: As above, generally cream colored w/common crystals to grit-sized sand grains and minute varicolored sandstone
- 2880 - 2916 Sandstone: Generally varicolored, as above, w/minute variegated shales, trace green shale pellets. Abundant gypsum and anhydrite, common large quartz "floater" grains, trace pyrite.

Top Chinle Shale 2916'

- 2916 - 2920 Siltstone: Reddish-brown, dolomitic, shaley, anhydrite and finely micaceous, finely arenaceous, in part w/minute white crystalline anhydrite veinlets, trace buff limestone strings and green shale pellets, w/minute chocolate, blue-green and light grey shale partings.
- 2920 - 2930 Siltstone: As above w/increase of chocolate shale, and common chocolate and green shale pellets.
- 2930 - 2970 Shale: Predominantly chocolate colored, w/minute blue-green shale, reddish-brown siltstone, shale pellets and anhydrite, as above

- 2970 - 2980 Shale: As above, w/abundant white pulverized gypsum and anhydrite.
- 2980 - 3020 Siltstone & Shale: General variegated w/common varicolored arenaceous siltstone stringers. Common black "gilsonite appearing" hydrocarbon.
- 3020 - 3030 Sandstone: White and light green tinted, slightly calcareous, fine to medium, poorly sorted, finely micaceous, gypsy, w/common interbedded siltstones and shales, as above, abundant white pulverized gypsum, minute gilsonite in hair-line fractures, as above
- 3030 - 3040 Sandstone; Siltstone and Shale: as above, in a fairly even distribution.
- 3040 - 3050 Shale: Predominantly chocolate brown w/minute interbedded sandstones, siltstone and shales, as above.
- 3050 - 3070 Sandstone: White & light green "tinted", as above with common interbedded chocolate and green shale, siltstone, and white pulverized gypsum, as above, trace buff limestone.
- 3070 - 3080 Shale: Predominantly chocolate w/common interbedded sandstone siltstone and white pulverized gypsum, as above.
- 3080 - 3120 Shale: Chocolate, silty, finely micaceous, w/common mustard colored claystone. Strace sandstone, siltstone, shale and white pulverized gypsum, as above.
- 3120 - 3140 Top Shinarump Zone - 3120'
Shale: Predominantly purple and pale green mottled, slightly calcareous, finely micaceous and large conglomerate chert and quartz "floater" grains, in part, w/minute chocolate micaceous shale, siltstone and variegated shale, interbedded. Common chert and quartz pebbles with black hydro-carbon stain, trace anhydrite.
- 3140 - 3150 Shale: as above, w/general increase of chocolate shale and siltstone
- 3150 - 3170 Conglomerate: Predominantly large quartz pebbles and "floater" grains w/black hydrocarbon stain, w/common interbedded chocolate, purple and variegated shale and siltstone, as above
- 3170 - 3240 Samples Missing
- 3240 - 3260 Shale & Siltstone: Chocolate-brown & light greenish-grey to whitish finely micaceous and arenaceous, slightly calcareous w/minute purple, green & mustard-colored shale.

EQUITY OIL COMPANY

Strat. Test #1
Bull Canyon Area
C SW, NW Section 2
Twp. 18 S., R. 11 E.
10

Diamond Cored: 3509 - 4833' (T. D.)

- 3509 - 3611 Siltstone - Lt. grnsh-gry., sli. calc., w/thin discont. lenses, dull, med. grn. shale, finely pyritic, w/common highly mica, partings. All med. hd. and dse. No shows.
- 3611 - 3662 Siltstone & Shale As above, generally, irreg. banded, w/one or two, dirty, dk.-gry. siltstone zone approx. 12 inches thick, w/common blk. hydrocarb. between grs. Minor vert. to oblique., calcite-filled hair-line fractures.
- Top Sinbad Limestone Member - 3662'
- 3662 - 3671 Limestone - Dirty, dk.-gry., oil-stained, highly fractured, both open and calcite-filled, w/common blk. stylolites, oolitic, and commonly silty to finely aren. No visible por. or perm.
- 3671 - 3692 Siltstone - Dirty, brnsh-gry. and grnsh.-gry., stylolitic, w/min. dull, grn., folo.-shale partings. Min. zones vert. to oblique, calcite-filled, hair-line fractures. Generally massive w/spotty oil-stain. No visible por. or perm.
- 3692 - 3701 Dolomite & Shale Lt. gry. and dull w/dk. grn.
- 3701 - 3717 Siltstone Dirty, med.-gry., finely aren., valc., stylolitic, poorly banded, brecciated, in part, w/one or two vert to oblique, tight, fractures. Minor spotty stain. No visible por. or perm.
- 3717 - 3751 Limestone Med. gry., dse., highly siliceous and fossiliferous, w/scattered oolites. All very hd. and dse. Minor spotty stain.
- 3751 - 3782 Siltstone & Shale Dirty, dk.-gry., silic., sli. calc., and med., gry-grn. highly pyritic, in thin wavy, discont. lenses, giving irreg. banded appear. Min. finely aren. zones. No shows.
- 3782 - 3803 Shale Choc., brn., silty, finely mica., w/good fissility, common aren. lenses, w/gradual transition to dull-grn. in last 3 feet of core. No shows.
- 3803 - 3867 Shale Dull, grn., dolo., finely mica., silty to finely aren. in part, common finely dissem. pyrite. Petrol. odor on fresh break. No por. or perm.

Strat. Test #1

3867 - 3892	Siltstone	Dirty, dk. gry. silic. to quartzitic, generally massive, w/minor dull, grn. shale breaks. Sli. odor on fresh break.
3892 - 3895	Siltstone & Shale	As above, in alternating laminae. No shows.
3895 - 3904	Siltstone	As above, silic., w/common dk. grn. shale partings.
3904 - 3911	Shale	Med. grn., dolo., pyritic, w/common dk. gry., silic., siltstone lenses.
3911 - 3912	Quartzite	Dirty, dk.-gry. to blk., finely mica., pyritic, w/one or two vert., hair-line fractures.
3912 - 3923	Shale	Predominantly med. grn., w/min. thin partings dk. brnish-gry. shale and dk. gry. siltstone. Pyritic. No shows.
3923 - 3932	Shale	Dk. brnish-gry., as above, w/common laminae dk. gry., siltstone and med. grn. shale. All pyritic.
3932 - 3990	Shale	Dull, grnish-gry., as above.
3990 - 4007	Shale	Rddish.-brn., to choc., mica., silty, w/good fissility. Min. wh. anhydrite veinlets.
4007 - 4039	Shale	Dull, grnish-gry., silty, thinly laminated, w/dker. gry.-grn.
Top Kaibab Limestone - 4039'		
4039 - 4063	Dolomite	Dull, gry.-grn., carthy. w/min. zones of crsly. xstal., common dull grn., chert lenses and modules, pyritic and common sugary anhy. mottling. Min fracturing and vugs, w/spotty stain and bleeding. Massive, w/no visible perm.
4063 - 4074	Dolomite	Dull, gry.-grn., as above, w/cabundant. wh. any. mottling, cherty and becoming finely aren. Trc. petrol. odor.
4074 - 4092	Quartzite	Dirty, dk.-gry., to blk., dead-oil-stained very hard & dse., fine gr. w/common crs. cherty, common blk. stylo-lites, pyrite and wh. sugary anhy mottling. No visible por. or perm.
Top Coconino Sandstone - 4092'		
4092 - 4105	Sandstone	Wh., very crs. to conglom. and gritty, well-round, frosted, pitted grs., good x-bedding. Very silic., w/no por. or perm.
4105 - 4136	Sandstone	Dirty, dk.-gry. fine to med., heavily stained w/blk. interstit. hydrocarb. Hd. and dse., w/no por. or perm.

4136 - 4164	Sandstone	Show wh., fine to med., trc. blk. hydro-carb., quite silic., glassy w/a few strks. that appear to have possible por. and perm.
4164 - 4252	Sandstone	wh., fine to med., w/rare lge grs., poorly sorted, w/ wll-defined xbedding. No shows.
4252 - 4254	Quartzite	Wh., as above, glassy, silic. cement, no por. or perm.
4254 - 4353	Sandstone	Snow wh., as above, sli. calc., in part, good xbedding-w/min. quartzitic strks. All hd., dense, w/no visible por.
4253 - 4409	Sandstone	As above, but commonly dse, glassy and quartzitic. Massive w/common dissem. pyrite.
4409 - 4478	Sandstone	Snow wh., fine to crs., poorly sorted, subang. to well-rounded, frosted, pitted, grs., w/rare pink, x-bedded, pyritic, hd. and dse, w/no visible por. or perm. Min silic. to quartzitic strks.
4478 - 4621	Sandstone	As above, w/blk iron-stain along bedding planes giving an accentuated paper-thin banded appearance common dissem. pyritic x-stals, and trc. hair-line fractures.
4621 - 4644	Dolomite	Lt. gry. to whish, silic., sandy, w/grttez concent. of snad in upper five feet, finely mica., in part, w/one or two dull-grn. argill. zones. Thin wavy discont. bands, due to iron-stain. All hard and dense, w/ no visible por. or perm.
4644 - 4662	Anhydrite & Colomite	Lt. gry., -buff to whish., w/common pink-stain, very crs. euhedral xstals and common sugary anhy/ zones or mottling. Abundant vuggy porosity - nno visible perm. common vert. to oblique fractures and commonly fossiliferous.
4662 - 4674	Dolomite	Med. gry.-buff to lt. tan, anhydritic, pyritic, dse to mic ro xstal, w/min discont. lenses dull, med.-grn., dolo. shale, pyritic and finely mica. Min. fracturing. No visible por. or perm.
4674 - 4678	Dolomite	Cream, hd., and dse. to micro xstal., w/common blk. stylolites No perm. or por. highly fractured, last 2 feet.
4678 - 4687	Dolomite	As above, w/common pink xstals, very crsly xstal, w/abund. vuggy por., min dse., zones. Anhydritic, w/min xstal. filled hair-hair line fractures.
4687 - 4702	Dolomite	As above, but brnsh-gry., highly silic., highly fractured. Ltd. w/no visible perm.
4702 - 4712	Dolomite	Cream, crsly. xstal, vuggy, w/common pink inclusions, pyritic stylolites, and sucrose anhy. mottling. Massive. No shows.

- 4712 - 4727 Dolomite Brnsh-gry. and pink-stained, pyritic, w/min. med. gry. argill. partings. Massive, hd., dse, and brittle, w/abund. vert. to oblique, hairline, fractures. No por. or perm.
- 4727 - 4731 Dolomite Cream to whish, w/abund. vuggy por. No shows.
- 4731 - 4801 Dolomite Brnsh.-gry. to lt. tan and pink-stained, dse., common dull - grn., pink and faded purp. mottling in lower 10 feet. No shows.
- 4801 - 4806 Conglom. or Breccia - A varicolored, dolo, materixl mottled lt. gry., dull grn., faded purp., and off-shades red and pink), w/abund. varicolored chert and dolo. pebbles, generally, well rounded and smoothly w/common angular dolo. inclusions or fragments. Massive,hd. and dse.
- 4806 - 4815 Dolomite Lt. tan andpink-stained, dse, w/common rddish, brn., argill, partings.
- 4815 - 4833 Dolomite Predom., brnsh-gry. to lt. tan, massive,hd. and dse. in upper 10 feet, w/common brick-rd and dirty, dk. gry. to blk, fine gr., quartzite stringers, up to 2 or 3 inches thick, common blue-grj., mica, shale partings and mottling. No shows, no por., no perm. Trc. hair-line fractures. A transitional zone

T. D. 4833 - Did not run electric log.

Bull Canyon State #1
Sec. 2-18S-10E
Emery County, Utah

DRILL STEM TESTS

11-15-53: DST No. 1 (Halliburton) - 3659' - 3759'

7/8" bottom choke, open 4 hours, 30 minutes, shut in 30 minutes. Tool opened with a weak blow that continued throughout test. Recovered 447' gas cut mud.

IHMP	1785#
IFP	30#
FFP	175#
SIP	775#
FHMP	1785#

11-21-53: DST No. 2 (Halliburton) - 3659' - 3759'

7/8" bottom choke, open 21-3/4 hours, did not shut in. Tool opened with weak blow after 6 hours, started swabbing. Swabbed for 15-3/4 hours, recovered 75' of drilling mud, slightly oil and gas cut.

IHMP	1730#
IFP	15#
FFP	50#
FHMP	1730#

11-25-53: DST No. 3 (Halliburton) - 4087' - 4164'

1/2" bottom choke, opened 1 hour, shut in 30 minutes. Tool opened with a very weak blow. Recovered 10' of drilling mud.

IHMP	1970#
IFP	8#
FFP	15#
SIP	35#
FHMP	1970#