

E. G. LONG GEOLOGICAL CONSULTANT

DAILY WELL REPORT

(AS OF 8:00 A.M.)

WELL Quasar No. 15-14 Crown Zellerbach DAY NO. 1 DATE Oct. 13, 1979

DEPTH 432 FEET MADE 401 HRS. ON BOTTOM 14

OPERATION Drilling surface hole

SURVEYS

LAST PIPE TALLY \_\_\_\_\_ BOARD \_\_\_\_\_ CORRECTION: YES NO  
 WT. OF STRING M LBS. 15 WY. ON BIT M LBS. all ROTARY RPM 120  
 PUMP No. 1 Continental DA-500 IN USE LINERS 4-1/2 x 16 SPM 60 PRESS. 200  
 PUMP No. 2 \_\_\_\_\_ IN USE LINERS \_\_\_\_\_ SPM \_\_\_\_\_ PRESS. \_\_\_\_\_  
 DRILL PIPE O.D. 3-1/2 THD. IF DRILL COLLARS O.D. 4-1/2 THD. 3-1/2 IF No. IN HOLE 8

BIT No.	SIZE	TYPE	DEPTH IN	DEPTH OUT	FT. MADE	TOTAL HRS. RUN	JET SIZE IN 32nds	CONG			REMARKS
								T	B	G	
1A	9-7/8	DT	31		401	14					re-run
REAM BIT No.											
CORE No.							FEET CUT	FEET REC.			

MUD  
 WT. 9.0 vis 60 WL \_\_\_\_\_ GEL \_\_\_\_\_ FC \_\_\_\_\_  
 PH. \_\_\_\_\_ APP VIS \_\_\_\_\_ PLAS VIS \_\_\_\_\_ YLD. PT. \_\_\_\_\_  
 WATER \_\_\_\_\_ OIL \_\_\_\_\_ CL. \_\_\_\_\_ PPM \_\_\_\_\_  
 SOLIDS \_\_\_\_\_ SAND \_\_\_\_\_ CA + + \_\_\_\_\_ PPM \_\_\_\_\_  
 DESILTER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 DESANDER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 DEGASSER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 TOT MUD DUMPED \_\_\_\_\_ bbis./day

MUD ADDED 43 sx gel; 17 sx kwik seal

RIG TIME

1. DRILLING	14	6. SURVEYING		11. CORING		OTHERS (SPECIFY)	
2. TRIPPING		7. CIRCULATING		12. TESTING		16. Rig up	8
3. SERVICE & BOPS		8. CLEAN TO BTM		13. LOGGING		17. Lost Circ.	1/2
4. REAMING		9. COND. MUD		14. CASING		18.	
5. SLIP & CUTLINE		10. REPAIRING	1-1/2	15. W.O.C.		19.	
						20.	

DRILLING & GEOLOGICAL REMARKS (Sequence of Operations to be inserted below)

Rigged up and mixed mud; spud at 4:00 p.m.; drilled 9-7/8" hole; lost circulation at 230 ft; drilled 9-7/8" hole; repaired mud pump; drilling.

WEATHER: TEMP. +54 °F cloudy, foggy

E. G. LONG GEOLOGICAL CONSULTANT

DAILY WELL REPORT

(AS OF 8:00 A.M.)

WELL Quasar No. 15-14 Crown Zellerbach DAY No. 2 DATE Oct. 14, 1979

DEPTH 515 FEET MADE 83 HRS. ON BOTTOM 2

OPERATION Waiting on cement.

SURVEYS									
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LAST PIPE TALLY \_\_\_\_\_ BOARD \_\_\_\_\_ CORRECTION: YES \_\_\_\_\_ NO \_\_\_\_\_  
 WT. OF STRING M LBS. 16 WT. ON BIT M LBS. all ROTARY RPM 90  
 PUMP No. 1 Continental DA-500 IN USE \_\_\_\_\_ LINERS 4-1/2 x 16 SPM 80 PRESS. 200  
 PUMP No. 2 \_\_\_\_\_ IN USE \_\_\_\_\_ LINERS \_\_\_\_\_ SPM \_\_\_\_\_ PRESS. \_\_\_\_\_  
 DRILL PIPE O.D. 3-1/2 THD. IF DRILL COLLARS O.D. 4-1/2 THD. 3-1/2 IF No. IN HOLE 8

BIT No.	SIZE	TYPE	DEPTH IN	DEPTH OUT	FT. MADE	TOTAL HRS. RUN	JET SIZE IN 32nds			COND			REMARKS
							T	B	G	T	B	G	
1A	9-7/8	DT	31	515	484	16							
REAM BIT No.													
CORE No.							FEET CUT			FEET REC.			
MUD													
WT. <u>9.0</u>	VIS <u>90</u>	WL _____	GEL _____	FC _____	DESILTER _____ hr. OUT _____ LB./GAL.								
PH _____	APP VIS _____	PLAS VIS _____	YLD. PT. _____	DESANDER _____ hr. OUT _____ LB./GAL.									
WATER _____	OIL _____	CL _____	PPM _____	DEGASSER _____ hr. OUT _____ LB./GAL.									
SOLIDS _____	SAND _____	CA + + _____	PPM _____	TOT MUD DUMPLD _____ bbls/day									
MUD ADDED <u>75 sx gel</u>													

RIG TIME

1. DRILLING <u>2</u>	6. SURVEYING _____	11. CORING _____	16. _____
2. TRIPPING <u>1/2</u>	7. CIRCULATING <u>1-1/2</u>	12. TESTING _____	17. _____
3. SERVICE & BOPS _____	8. CLEAN TO BTM _____	13. LOGGING _____	18. _____
4. REAMING _____	9. COND. MUD <u>1/2</u>	14. CASING <u>5</u>	19. _____
5. SLIP & OUTLINE _____	10. REPAIRING _____	15. W.O.C. <u>14-1/2</u>	20. _____

OTHERS (SPECIFY): \_\_\_\_\_

DRILLING & GEOLOGICAL REMARKS (Sequence of Operations to be inserted below)

Drilled 9-7/8" hole; lost circulation at 465 ft.; drilled 9-7/8" hole; circulated to condition hole; tripped out of hole; ran 13 joints, 7 inch, 20 lb. casing, landed at 515 ft. K.B., cemented with 175 sacks Class "G" cement plus 2% calcium chloride; waiting on cement.

WEATHER: TEMP. +56 °F raining

E. G. LONG GEOLOGICAL CONSULTANT

DAILY WELL REPORT

(AS OF 8:00 A.M.)

WELL Quasar No. 15-14 Crown Zellerbach DAY No. 3 DATE Oct. 15, 1979

DEPTH 515 FEET MADE 0 HRS. ON BOTTOM 0

OPERATION Drilling out cement plug

SURVEYS									
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LAST PIPE TALLY \_\_\_\_\_ BOARD \_\_\_\_\_ CORRECTION: YES \_\_\_\_\_ NO \_\_\_\_\_  
 WT. OF STRING M LBS. \_\_\_\_\_ WT. ON BIT M LBS. \_\_\_\_\_ ROTARY RPM \_\_\_\_\_  
 PUMP No. 1 \_\_\_\_\_ IN USE \_\_\_\_\_ LINERS \_\_\_\_\_ SPM \_\_\_\_\_ PRESS. \_\_\_\_\_  
 PUMP No. 2 \_\_\_\_\_ IN USE \_\_\_\_\_ LINERS \_\_\_\_\_ SPM \_\_\_\_\_ PRESS. \_\_\_\_\_  
 DRILL PIPE O.D. \_\_\_\_\_ THD. \_\_\_\_\_ DRILL COLLARS O.D. \_\_\_\_\_ THD. \_\_\_\_\_ No. IN HOLE \_\_\_\_\_

BIT No.	SIZE	TYPE	DEPTH IN	DEPTH OUT	FT. MADE	TOTAL HRS. RUN	JET SIZE IN 32nds	CONG.			REMARKS	
								Y	B	G		
1	6-1/4	DTJ	515		0	0						
REAM BIT No.												
CORE No.							FEET CUT		FEET REC.			
MUD												
WT.	8.7	VIS	50	WL		GEL		FC				
PH		APP VIS		PLAS VIS		YLD. PT.				DESILTER	hr. OUT	LB./GAL.
WATER		OIL		CL		PPM				DESANDER	hr. OUT	LB./GAL.
SOLIDS		SAND		CA + +		PPM				DEGASSER	hr. OUT	LB./GAL.
										TOT MUD DUMPED	bbls/day	
MUD ADDED												

RIG TIME

1. DRILLING _____	6. SURVEYING _____	11. CORING _____	16. Cementing _____ 1-1/2
2. TRIPPING _____	7. CIRCULATING _____	12. TESTING _____	17. Nipple up BOP _____ 1-1/2
3. SERVICE & BOPS <u>1</u>	8. CLEAN TO BTM _____	13. LOGGING _____	18. Nipple up and _____
4. REAMING _____	9. COND. MUD _____	14. CASING _____	19. drill mouse hole _____ 10
5. SLIP & OUTLINE _____	10. REPAIRING _____	15. W.O.C. <u>5</u>	20. Pick up BHA and _____
DRILLING & GEOLOGICAL REMARKS (Sequence of Operations to be inserted below)			trip in hole _____ 1-1/2
			Drill cement _____ 2-1/2

Waited on cement; cemented top of hole with 1 inch pipe. Waited on cement, nipped up BOP; nipped up and drilled mouse hole; pressure tested blind rams to 1500 psi (OK), picked up bottom hole assembly and tripped in hole; pressure tested hydril and pipe rams; drilling out cement.

WEATHER: TEMP. +58 °F cloudy with patches of fog

E. G. LONG GEOLOGICAL CONSULTANT

DAILY WELL REPORT

(AS OF 7:00 a.m.)

WELL Quasar No. 15-14 Crown Zellerbach DAY No. 4 DATE Oct. 16, 1979

DEPTH 515 FEET MADE 0 HRS. ON BOTTOM 0

OPERATION Reaming out undersize surface casing

SURVEYS									
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LAST PIPE TALLY \_\_\_\_\_ BOARD \_\_\_\_\_ CORRECTION: YES \_\_\_\_\_ NO \_\_\_\_\_

WT. OF STRING M LBS. \_\_\_\_\_ WT. ON BIT M LBS. \_\_\_\_\_ ROTARY RPM \_\_\_\_\_

PUMP No. 1 Continental DA 500 IN USE \_\_\_\_\_ LINERS 4-1/2 x 16 SPM \_\_\_\_\_ PRESS. \_\_\_\_\_

PUMP No. 2 \_\_\_\_\_ IN USE \_\_\_\_\_ LINERS \_\_\_\_\_ SPM \_\_\_\_\_ PRESS. \_\_\_\_\_

DRILL PIPE O.D. 3-1/2 THD. IF DRILL COLLARS O.D. 4-1/2 THD. 3-1/2 IF No. IN HOLE 8

BIT No.	SIZE	TYPE	DEPTH IN	DEPTH OUT	FT. MADE	TOTAL HRS. RUN	JET SIZE IN 32nds	CONC.			REMARKS
								T	B	G	
Reamer											
REAM BIT No.											
CORE No.							FEET CUT	FEET RLC.			

MUD

WT. 8.9 VIS 45 WL 28 GEL 12/18 FC 3 DESILTER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 PH 12.5 APP VIS \_\_\_\_\_ PLAS VIS 9 YLD. PT. 30 DESANDER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 WATER 95% OIL \_\_\_\_\_ CL- 2000 PPM DEGASSER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 SOLIDS 5% SAND 1% CA ++ 80 PPM TOT MUD DUMPED \_\_\_\_\_ bbls./day

MUD ADDED 20 sx gel

RIG TIME

- |                         |                       |                   |  |
|-------------------------|-----------------------|-------------------|--|
| 1. DRILLING _____       | 6. SURVEYING _____    | 11. CORING _____  | OTHERS (SPECIFY):                      |
| 2. TRIPPING <u>1/2</u>  | 7. CIRCULATING _____  | 12. TESTING _____ | 16. <u>Drill cement</u> <u>6</u>       |
| 3. SERVICE & BOPS _____ | 8. CLEAN TO BTM _____ | 13. LOGGING _____ | 17. <u>Wait on orders</u> <u>1-1/2</u> |
| 4. REAMING <u>5</u>     | 9. COND. MUD _____    | 14. CASING _____  | 18. <u>Wait on reamer</u> <u>9</u>     |
| 5. SLIP & CUTLINE _____ | 10. REPAIRING _____   | 15. W.O.C. _____  | 19. <u>Make up reamer</u> <u>1</u>     |
|                         |                       |                   | 20. _____                              |

DRILLING & GEOLOGICAL REMARKS (Sequence of Operations to be inserted below)

Drilled cement; would not drill because of tight casing. Tripped out of hole; waited on orders; waited on reamer; made up reamer; tripped in hole; reaming surface casing at 501 ft.

WEATHER: TEMP. +52 °F clear with patches of ground fog

**DAILY WELL REPORT**

(AS OF ~~09:00~~ 7:00 a.m.)

WELL Quasar No. 15-14 Crown Zellerbach DAY No. 5 DATE Oct. 17, 1979

DEPTH 1298 FEET MADE 780 HRS. ON BOTTOM 16

OPERATION Drilling

SURVEYS	<u>1079</u>	<u>1-1/2</u>					
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LAST PIPE TALLY \_\_\_\_\_ BOARD \_\_\_\_\_ CORRECTION: YES \_\_\_\_\_ NO \_\_\_\_\_  
 WT. OF STRING M LBS. 34 WT. ON BIT M LBS. 5 ROTARY RPM 100  
 PUMP No. 1 Continental DA 500 IN USE LINERS 4-1/2 x 16 SPM 58 PRESS. 1200  
 PUMP No. 2 \_\_\_\_\_ IN USE LINERS \_\_\_\_\_ SPM \_\_\_\_\_ PRESS. \_\_\_\_\_  
 DRILL PIPE O.D. 3-1/2 THD. IF DRILL COLLARS O.D. 4-1/2 THD. 3-1/2 IF No. IN HOLE 9

BIT No.	SIZE	TYPE	DEPTH IN	DEPTH OUT	FT. MADE	TOTAL HRS. RUN	JET SIZE IN 32nds			CONG			REMARKS
							1	2	3	1	2	3	
<u>1</u>	<u>6-1/4</u>	<u>DTJ</u>	<u>518</u>		<u>780</u>	<u>16</u>	<u>9</u>	<u>9</u>	<u>9</u>				<u>re-run</u>
REAM BIT No.													
CORE No.							FEET CUT			FEET REC.			

MUD  
 WT. 9.0 VIS 45 WL. 18 GFL. 8/24 FC 3/32 DESILTER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 PH. 10.5 APP VIS \_\_\_\_\_ PLAS VIS 8 YLD. PT. 14 DESANDER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 WATER 95% OIL \_\_\_\_\_ CL. 200 PPM DEGASSER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 SOLIDS 5% SAND \_\_\_\_\_ CA + + \_\_\_\_\_ PPM TOT MUD DUMPED \_\_\_\_\_ bbls/day

MUD ADDED 6 sx lost circulation material; 3 sx aqua gel; 10 sx kwik gel.

RIG TIME

1. DRILLING <u>16</u>	6. SURVEYING <u>1/2</u>	11. CORING _____	OTHERS (SPECIFY) _____
2. TRIPPING <u>1-1/2</u>	7. CIRCULATING _____	12. TESTING _____	
3. SERVICE & BOPS <u>1/2</u>	8. CLEAN TO BTM _____	13. LOGGING _____	
4. REAMING <u>2</u>	9. COND. MUD _____	14. CASING _____	
5. SLIP & CUTLINE _____	10. REPAIRING <u>3-1/2</u>	15. W.O.C. _____	

DRILLING & GEOLOGICAL REMARKS (Sequence of Operations to be inserted below)

Reamed 508 to 518 ft.; tripped out of hole; serviced rig; tripped in hole; drilled 6-1/4" hole; ran survey; drilled 6-1/4" hole; repaired drive shaft, drilled 6-1/4" hole; repaired mud pump; drilling.

WEATHER: TEMP. +44 °F clear with patches of ground fog

E. G. LONG GEOLOGICAL CONSULTANT

DAILY WELL REPORT

(AS OF 7:00 a.m.)

WELL Quasar No. 15-14 Crown Zellerbach DAY No. 6 DATE Oct. 18, 1979  
 DEPTH 2045 FEET MADE 747 HRS. ON BOTTOM 18

OPERATION Drilling

SURVEYS	1515	1-3/4°							
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LAST PIPE TALLY \_\_\_\_\_ BOARD \_\_\_\_\_ CORRECTION YES \_\_\_\_\_ NO \_\_\_\_\_  
 WT. OF STRING M LBS. 43 WT. ON BIT M LBS. 5 ROTARY RPM 100  
 PUMP No. 1 Continental DA 500 IN USE LINERS 4-1/2 x 16 SPM 58 PRESS. 1600  
 PUMP No. 2 \_\_\_\_\_ IN USE LINERS \_\_\_\_\_ SPM \_\_\_\_\_ PRESS. \_\_\_\_\_  
 DRILL PIPE O.D. 3-1/2 THD. IF DRILL COLLARS O.D. 4-1/2 THD. 3-1/2 IF No. IN HOLE 9

BIT No.	SIZE	TYPE	DEPTH IN	DEPTH OUT	FT. MADE	TOTAL HRS. RUN	H.T. SIZE IN 32nds			CONC			REMARKS
							I	B	G	I	B	G	
1	6-1/4	DTJ	518	1744	1226	34-1/2	9	9	9				
2	6-1/4	DTJ	1744		301	7-1/2	9	9	9				
REAM BIT No.													
CORE No.							FEET CUT			FEET REC.			

MUD  
 WT. 9.6 VIS 48 WL 12 GEL 4/14 FC 2/32 DESILTER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 PH 9.8 APP VIS \_\_\_\_\_ PLAS VIS 15 YLD. PT. 10 DESANDER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 WATER 93% OIL \_\_\_\_\_ CL \_\_\_\_\_ 400 PPM DEGASSER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 SOLIDS 7% SAND 2 CA + + 40 PPM TOT MUD DUMPED \_\_\_\_\_ bbbls/day

MUD ADDED 9 sx gel; 1-3/4 Cypan; 1-1/2 Q-Broxin; 10 gal. drilling detergent.

RIG TIME				OTHERS (SPECIFY)	
1. DRILLING	18	6. SURVEYING	1/2	11. CORING	16
2. TRIPPING	3	7. CIRCULATING	1/2	12. TESTING	17
3. SERVICE & BOPS		8. CLEAN TO BTM		13. LOGGING	18
4. REAMING		9. COND. MUD		14. CASING	19
5. SLIP & OUTLINE		10. REPAIRING	2	15. W.O.C.	20

DRILLING & GEOLOGICAL REMARKS (Sequence of Operations to be inserted below)

Drilled 6-1/4" hole; repair swivel; drilled 6-1/4" hole; ran survey; repaired mud pump; drilled 6-1/4" hole; circulated up samples; tripped out of hole with Bit No. 1; tripped in hole with Bit No. 2; drilling.

WEATHER: TEMP. +50 °F raining

E. G. LONG GEOLOGICAL CONSULTANT

DAILY WELL REPORT

(AS OF 7:00 a.m.)

WELL Quasar No. 15-14 Crown Zellerbach DAY No. 7 DATE Oct. 19, 1979

DEPTH 2675 FEET MADE 630 HRS. ON BOTTOM 16

OPERATION Drilling

SURVEYS									
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LAST PIPE TALLY \_\_\_\_\_ BOARD \_\_\_\_\_ CORRECTION: YES \_\_\_\_\_ NO \_\_\_\_\_  
 WT. OF STRING M LBS. 50 WT. ON BIT M LBS. 5 ROTARY RPM 100  
 PUMP No. 1 Continental DA 500 IN USE LINERS 4-1/2 x 16 SPM 58 PRESS. 1200  
 PUMP No. 2 \_\_\_\_\_ IN USE LINERS \_\_\_\_\_ SPM \_\_\_\_\_ PRESS. \_\_\_\_\_  
 DRILL PIPE O.D. 4-1/2 THD. IF DRILL COLLARS O.D. 4-1/2 THD. 3-1/2 IF No. IN HOLE 9

BIT No.	SIZE	TYPE	DEPTH IN	DEPTH OUT	FT. MADE	TOTAL HRS. RUN	JET SIZE IN 32nds			CONG			REMARKS
							T	B	G	T	B	G	
2	6-1/4	DTJ	1744		931	23-1/2	9	9	9				
REAM BIT No.													
CORE No.													

MUD  
 WT. 9.6 VIS 52 WL 7 GEL 3/8 FC 2/32 DESILTER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 PH 10.5 APP VIS \_\_\_\_\_ PLAS VIS 19 YLD. PT. 14 DESANDER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 WATER 93% OIL \_\_\_\_\_ CL. 45 PPM DEGASSER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 SOLIDS 7% SAND 2 CA ++ 60 PPM TOT MUD DUMPED \_\_\_\_\_ bbls/day

MUD ADDED 75 sx gel; 15 gal. drilling detergent; 4 sx O-Broxin, 2 sx caustic soda; 4 sx lost circulation material.

RIG TIME

1. DRILLING 16	6. SURVEYING	11. CORING 16	OTHERS (SPECIFY)
2. TRIPPING	7. CIRCULATING	12. TESTING 17	
3. SERVICE & BOPS	8. CLEAN TO BTM	13. LOGGING 18	
4. REAMING	9. COND. MUD	14. CASING 19	
5. SLIP & CUTLINE	10. REPAIRING 8	15. W.O.C. 20	

DRILLING & GEOLOGICAL REMARKS (Sequence of Operations to be inserted below)

Repaired mud pump; drilled 6-1/4" hole; repaired mud pump; drilled 6-1/4" hole; changed swivel; drilled 6-1/4" hole; repaired mud pump; drilling.

WEATHER: TEMP. +50 °F rain

E. G. LONG GEOLOGICAL CONSULTANT

DAILY WELL REPORT

(AS OF ~~XXXXX~~ 7:00 a.m.)

WELL Quasar No. 15-14 Crown Zellerbach DAY No. 8 DATE Oct. 20, 1979  
 DEPTH 3219 FEET MADE 544 HRS. ON BOTTOM 16-1/2  
 OPERATION Tripping for Bit No. 3

SURVEYS									
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LAST PIPE TALLY \_\_\_\_\_ BOARD \_\_\_\_\_ CORRECTION: YES \_\_\_\_\_ NO \_\_\_\_\_  
 WT. OF STRING M LBS. 53 WT. ON BIT M LBS. 5 ROTARY RPM 100  
 PUMP No. 1 Continental DA 500 IN USE \_\_\_\_\_ LINERS 4-1/2 x 16 SPM 58 PRESS. 1200  
 PUMP No. 2 \_\_\_\_\_ IN USE \_\_\_\_\_ LINERS \_\_\_\_\_ SPM \_\_\_\_\_ PRESS. \_\_\_\_\_  
 DRILL PIPE O.D. 3-1/2 THD. IF DRILL COLLARS O.D. 4-1/2 THD. 3-1/2 IF No. IN HOLE \_\_\_\_\_

BIT No.	SIZE	TYPE	DEPTH IN	DEPTH OUT	FT. MADE	TOTAL HRS. RUN	JET SIZE IN 32nds			CONG			REMARKS
							I	B	G	I	B	G	
2	6-1/4	DTJ	1744	2795	1051	29	9	9	9				
3	6-1/4	DTJ	2795	3219	524	13-1/2	9	9	9				
REAM BIT No.													
CORE No.							FEET CUT			FEET REC.			

MUD  
 WT. 9.4 VIS 50 WL 5 GEL 3/8 FC 2/32 DESILTER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 PH. 10.5 APP VIS \_\_\_\_\_ PLAS VIS 24 YLD. PY. 11 DESANDER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 WATER 92 OIL \_\_\_\_\_ CL. 500 PPM DEGASSER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 SOLIDS 8 SAND 2 CA + + 50 PPM TOT MUD DUMPED \_\_\_\_\_ bbls/day

MUD ADDED 15 gal. drilling detergent; 2 sx caustic soda; 39 sx gel; 1 sx dupan; 1 sx O-Broxin

RIG TIME										OTHERS (SPECIFY)				
1. DRILLING	<u>16-1/2</u>	6. SURVEYING		11. CORING		16.								
2. TRIPPING	<u>5</u>	7. CIRCULATING	<u>1</u>	12. TESTING		17.								
3. SERVICE & BOPS		8. CLEAN TO BTM		13. LOGGING		18.								
4. REAMING		9. COND. MUD		14. CASING		19.								
5. SLIP & CUTLINE		10. REPAIRING	<u>1-1/2</u>	15. W.O.C.		20.								

DRILLING & GEOLOGICAL REMARKS (Sequence of Operations to be inserted below)

Drilled 6-1/4" hole; repaired swivel; drilled 6-1/4" hole; repacked swivel; drilled 6-1/4" hole; circulated up samples; tripped out of hole with Bit No. 2. Tripped in hole with Bit No. 3; drilled 6-1/4" hole. Circulated up samples; tripping out of hole with Bit No. 3. 3219 total depth.

Bottom of sand	<u>2770</u>
Basalt	<u>2960 - 3010</u>
Basalt	<u>3210</u>

WEATHER: TEMP. +52 °F cloudy



E. G. LONG GEOLOGICAL CONSULTANT

DAILY WELL REPORT

(AS OF 8:00 A.M.)

WELL Quasar No. 15-14 Crown Zellerbach DAY No. 9 DATE Oct. 21, 1979

DEPTH 3219 FEET MADE 0 HRS. ON BOTTOM 0

OPERATION Running Dip Meter

SURVEYS									
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LAST PIPE TALLY \_\_\_\_\_ BOARD \_\_\_\_\_ CORRECTION: YES \_\_\_\_\_ NO \_\_\_\_\_  
 WT. OF STRING M LBS. \_\_\_\_\_ WT. ON BIT M LBS. \_\_\_\_\_ ROTARY RPM \_\_\_\_\_  
 PUMP No. 1 \_\_\_\_\_ IN USE \_\_\_\_\_ LINERS \_\_\_\_\_ SPM \_\_\_\_\_ PRESS. \_\_\_\_\_  
 PUMP No. 2 \_\_\_\_\_ IN USE \_\_\_\_\_ LINERS \_\_\_\_\_ SPM \_\_\_\_\_ PRESS. \_\_\_\_\_  
 DRILL PIPE O.D. \_\_\_\_\_ THD. \_\_\_\_\_ DRILL COLLARS O.D. \_\_\_\_\_ THD. \_\_\_\_\_ No. IN HOLE \_\_\_\_\_

BIT No.	SIZE	TYPE	DEPTH IN	DEPTH OUT	FT. MADE	TOTAL HRS. RUN	JET SIZE IN 32nds	CONG			REMARKS
								T	B	G	
REAM BIT No.											
CORE No.							FEET CUT	FEET REC.			
MUD											
WT.	VIS	WL	GEL	FC				DESILTER	hr. OUT	LB./GAL.	
PH	APP VIS	PLAS VIS	YLD. PT.				DESANDER	hr. OUT	LB./GAL.		
WATER	OIL	CL-	PPM				DEGASSER	hr. OUT	LB./GAL.		
SOLIDS	SAND	CA + +	PPM				TOT MUD DUMPED	bbls/day			
MUD ADDED											

RIG TIME

1. DRILLING _____	6. SURVEYING _____	11. CORING _____	16. _____
2. TRIPPING <u>5</u>	7. CIRCULATING <u>10</u>	12. TESTING _____	17. _____
3. SERVICE & BOPS _____	8. CLEAN TO BTM _____	13. LOGGING <u>9</u>	18. _____
4. REAMING _____	9. COND. MUD _____	14. CASING _____	19. _____
5. SLIP & CUTLINE _____	10. REPAIRING _____	15. W.O.C. _____	20. _____

OTHERS (SPECIFY)

DRILLING & GEOLOGICAL REMARKS (Sequence of Operations to be inserted below)

Circulated; waiting on Schlumberger; ran Dual Induction Laterolog; Sonic Log, and Compensated Neutron-Formation Density Log; running dip meter.

WEATHER: TEMP. +50 °F cloudy with morning fog

E. G. LONG GEOLOGICAL CONSULTANT

DAILY WELL REPORT

(AS OF 8:00 A.M.)

WELL Quasar No. 15-14 Crown Zellerbach DAY No. 10 DATE Oct. 22, 1979

DEPTH 3219 FEET MADE 0 HRS. ON BOTTOM 0

OPERATION Released rig

SURVEYS											
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LAST PIPE TALLY \_\_\_\_\_ BOARD \_\_\_\_\_ CORRECTION: YES \_\_\_\_\_ NO \_\_\_\_\_

WT. OF STRING M LBS. \_\_\_\_\_ WT. ON BIT M LBS. \_\_\_\_\_ ROTARY RPM \_\_\_\_\_

PUMP No. 1 \_\_\_\_\_ IN USE \_\_\_\_\_ LINERS \_\_\_\_\_ SPM \_\_\_\_\_ PRESS. \_\_\_\_\_

PUMP No. 2 \_\_\_\_\_ IN USE \_\_\_\_\_ LINERS \_\_\_\_\_ SPM \_\_\_\_\_ PRESS. \_\_\_\_\_

DRILL PIPE O.D. \_\_\_\_\_ THD. \_\_\_\_\_ DRILL COLLARS O.D. \_\_\_\_\_ THD. \_\_\_\_\_ No. IN HOLE \_\_\_\_\_

BIT No.	SIZE	TYPE	DEPTH IN	DEPTH OUT	FT. MADE	TOTAL HRS. RUN	JET SIZE IN 32nds	CONG			REMARKS
								T	B	G	
REAM BIT No.											
CORE No.							FEET CUT	FEET REC.			

MUD  
 WT. 9.5 VIS 50 WL 5 GEL 3/8 FC 2/32 DESILTER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 PH 10.5 APP VIS \_\_\_\_\_ PLAS VIS 24 YLD. PT. 11 DESANDER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 WATER 92 OIL \_\_\_\_\_ CL. 500 PPM DEGASSER \_\_\_\_\_ hr. OUT \_\_\_\_\_ LB./GAL.  
 SOLIDS 8 SAND 2 CA + + \_\_\_\_\_ PPM TOT MUD DUMP'D \_\_\_\_\_ bbls/day

MUD ADDED \_\_\_\_\_

RIG TIME			OTHERS (SPECIFY)
1. DRILLING _____	6. SURVEYING _____	11. CORING _____	16. <u>Layed down drill collar</u> <u>1-1/2</u>
2. TRIPPING _____	7. CIRCULATING <u>2</u>	12. TESTING _____	17. _____
3. SERVICE & BOPS _____	8. CLEAN TO BTM _____	13. LOGGING <u>8-1/2</u>	18. <u>Layed down drill pipe</u> <u>4-1/2</u>
4. REAMING _____	9. COND. MUD _____	14. CASING _____	19. _____
5. SLIP & CUTLINE _____	10. REPAIRING _____	15. W.O.C. <u>6-1/2</u>	20. <u>Rigging down</u> <u>1</u>

DRILLING & GEOLOGICAL REMARKS (Sequence of Operations to be inserted below)

Ran Dip Meter; layed down drill collars; layed down drill pipe; ran plug No. 1 from 1890 - 1990; cemented with 20 sacks Class "G" cement plus 3% calcium chloride; ran Plug No. 2 from 450 - 550, cemented with 20 sacks class "G" cement plus 3% calcium chloride; rigging down.

WEATHER: TEMP. +50 °F raining