

OIL AND GAS CONSERVATION COMMISSION

12

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00248400

DEPARTMENT OF NATURAL RESOURCES

OF THE STATE OF COLORADO

in triplicate for Patented and Federal lands.
in quadruplicate for State lands.

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
Quest Oil Company, et al

3. ADDRESS OF OPERATOR
444 Denver Club Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1980' FSL & 660' FWL (NW SW) Sec. 36
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO. 78-1230 DATE ISSUED 12/11/78

5. LEASE DESIGNATION AND SERIAL NO. _____

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME
STATE OF COLORADO

9. WELL NO. 1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
36-8N-54W

12. COUNTY Logan STATE Colorado

15. DATE SPUDDED 1/21/79 16. DATE T.D. REACHED 1/29/79 17. DATE COMPL. (Ready for prod. or Plug & Abd.) 1/30/79 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 4217' GL 4226' KB 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 5135' KB 21. PLUG, BACK T.D., MD & TVD - 22. IF MULTIPLE COMPL., HOW MANY - 23. INTERVALS DRILLED BY ROTARY TOOLS 0-5135' KB CABLE TOOLS -0-

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
D&A

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dresser Atlas IES & Densilog

27. WAS WELL CORED YES NO (Submit analysis)
DRILL STEM TEST YES NO (See reverse side)

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	170' KB	12 1/4"	140 sx	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
		None		

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
	None	

31. PERFORATION RECORD (Interval, size and number)
D&A

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	None

33. PRODUCTION

DATE FIRST PRODUCTION D&A PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) D&A WELL STATUS (Producing or shut-in) D&A

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
Electric logs & geological well report

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

SIGNED C. H. Hargrave TITLE Vice-President DATE 2/7/79

See Spaces for Additional Data on Reverse Side

DVR
FJP
HHM
JAM
JJD
RCS
COM

DATE: 1/10/50
 WELL NO: 100
 LOCATION: 100

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
See electric logs and geological well report attached.			

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

QUEST OIL COMPANY

444 DENVER CLUB BUILDING
518 SEVENTEENTH STREET
DENVER, COLORADO 80202

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COLO. OIL & GAS CONS. COM.M.

PHONE (303) 825-3611



WELL REPORT

STATE-GILLHAM #1
NW SW Sec. 36-T8N-R54W
Logan County, Colorado

DVR	
FJP	
HWR	✓
JAM	✓
JJD	✓
RLS	
CGM	

By: Claus Axelsen, Geologist

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TABLE OF CONTENTS

DISCUSSION	1
DAILY DRILLING CHRONOLOGY	2
MUD INFORMATION	2
FORMATION TOPS:	3
LOG ANALYSIS	3
PLUGGING RECORD	3
STRIP LOG & SAMPLE DESCRIPTION	4

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CALIF. OIL & GAS CONS. COMMISSION

DAILY DRILLING CHRONOLOGY

<u>Date</u>	<u>Depth</u>	<u>Activity</u>	<u>Feet Made</u>
1/19/79	0'	MIRU	0'
1/22/79	170'	Spudded 1/21	170'
1/23/79	1800'	Drilling	1630'
1/24/79	2406'	Drilling	606'
1/25/79	3345'	Drilling	939'
1/26/79	4640'	Drilling	1295'
1/27/79	4666'	Drilling	26'
1/28/79	4970'	Drilling	304'
1/29/79	5131'	Circ to log	161'
1/30/79	5135'	Ran logs, P&A	4'

MUD INFORMATION

<u>Date</u>	<u>Depth</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>
1/26/79	4640'	9.3	36	6.8
1/27/79	4666'	9.4	36	7.2
1/28/79	4970'	9.8	92	5.8

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FORMATION TOPS

<u>Formation</u>	<u>Log Depth</u>	<u>Datum</u>
Niobrara	4076'	+ 150
Bentonite	4823'	- 597
"D" Sand	4920'	- 694
"J" Sand	5010'	- 784
Total Depth	5135'	

LOG ANALYSIS

<u>Depth</u>	<u>RW</u>	<u>Porosity</u> %	<u>Water</u> %	<u>Remarks</u>
4932-34'	.25	9	100	Wet
5011-15'	.35	5	100	Tight
5022-24'	.35	10	100	Wet
5036-41'	.35	6	100	Tight
5060-70'	.35	14	100	Wet

PLUGGING RECORD

Permission and instructions to abandon and plug the well were received. Plugs were set 1/30/79 as follows:

20 sx cmt 170'
10 sx cmt top of surf csg

SHOWS
 D=Dead
 ●=Scat.
 GAS
 80-100% OIL
 40-80%
 15-40%
 5-15%

LITHOLOGY

DEPTH-ACCESSORY-
 COMPLETION DATA

POROSITY
 5-13%
 13-18%
 18-23%
 23%+

DST'S

CORES

DRILLING TIME
 MIN/FT

GAS LOG

SCALE

5 10 15 20 25 30

GEOLOGIST
 CIRCULATION
 RECORD
 IATION

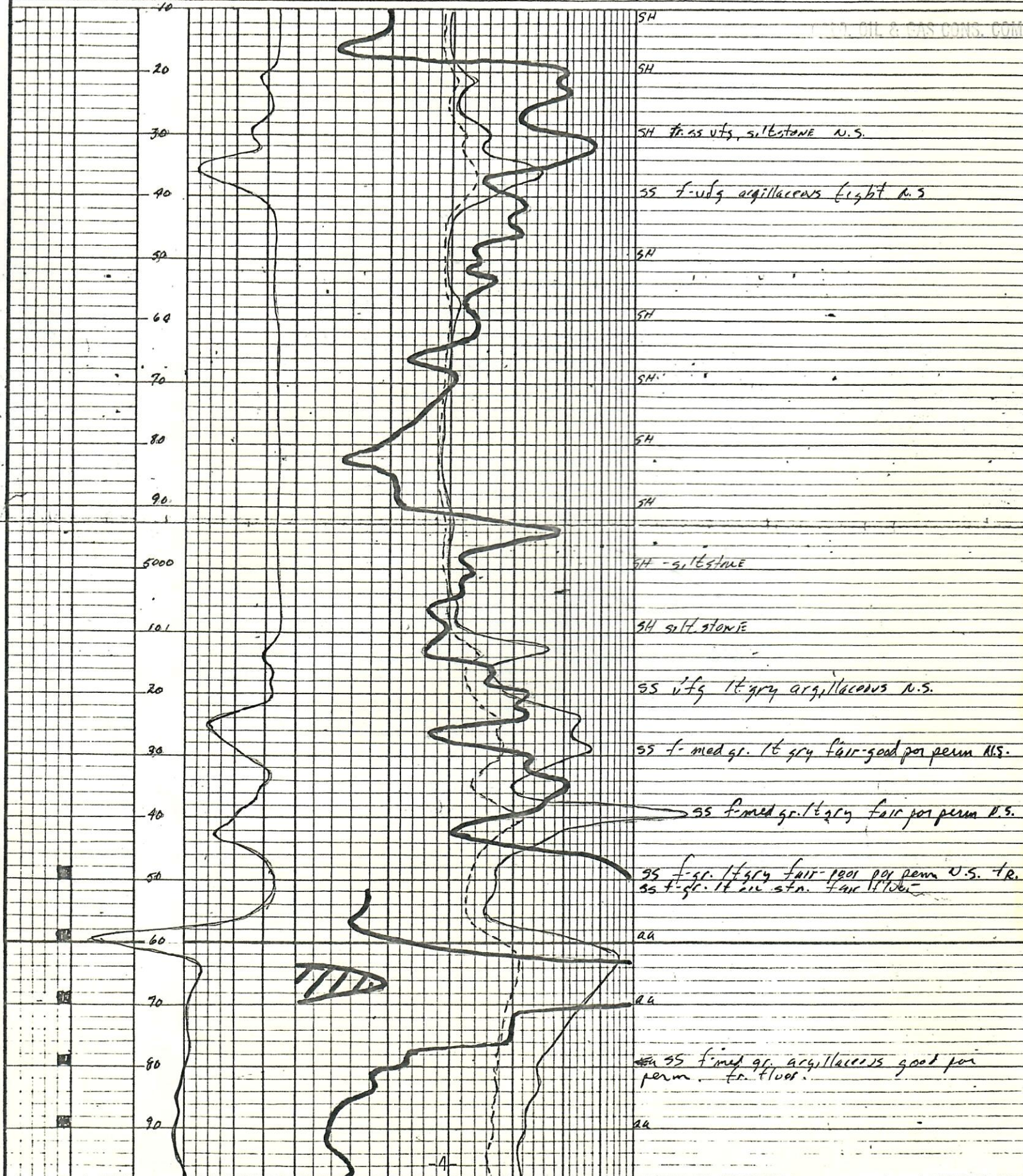


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LITHOLOGIC DESCRIPTION

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OIL & GAS CONS. COM. 1.

DISCUSSION

Quest Oil Company, et al, drilled the State-Gillham No. 1 as a wildcat well. The prime objective was the "J" sand of Lower Cretaceous age. The location for the test was in the northwest of the southwest of Section 36, Township 8 North, Range 54 West, in Logan County, Colorado.

The "J" sand was topped at a depth of 5010' (-784 subsea). The "J" sand consisted of fine-grained argillaceous sandstone having fair to poor porosity and permeability. The prime objective was the sand zone from 5036-5044'. The sand exhibited fair shows of oil, however, log analysis indicated the sand was tight and non-productive.

On the basis of log analysis and sample descriptions, the operators plugged and abandoned the well.

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SUMMARY

OPERATOR: Quest Oil Company
WELL: STATE-GILLHAM No. 1
LOCATION: NW SW Sec. 36-T8N-R54W
COUNTY: Logan
STATE: Colorado
ELEVATIONS: 4217' GL - 4226' KB
CASING: Ran 161' of 8-5/8" csg set @ 170' KB
HOLE SIZE: 7-7/8
TOTAL DEPTH: 5141' Driller - 5135' Logger
TOTAL DEPTH FORMATION: Skull Creek Shale
SPUD: 2 PM 1/21/79
COMPLETED: 1 AM 1/30/79
CORES: None
DRILL STEM TESTS: None
LOGS: IES & FDC/GR - Dresser Atlas
CONTRACTOR: Toltek Drilling Company
TREATMENT: None
PRODUCTION: D&A

DVR	
FJP	
HHM	
JAM	
JJD	
RES	
CSM	