

OIL AND GAS CONSERVATION COMMISSION
DEPARTMENT OF NATURAL RESOURCES
OF THE STATE OF COLORADO

RECEIVED **Revised Report

APR 23 1979

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



WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other Temp. Abandoned

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

2. NAME OF OPERATOR
Okmar Oil Company

3. ADDRESS OF OPERATOR
2160 First of Denver Plaza, 633-17th Street, Denver, Co. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1980' FSL & 660' FEL, Section 3, T8N, R55W
At top prod. interval reported below same
At total depth same

14. PERMIT NO. 78-966 DATE ISSUED 9-27-78

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Budin

9. WELL NO.
#17

10. FIELD AND POOL, OR WILDCAT
Big Sandy

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
3-8N-55W

12. COUNTY Logan 13. STATE Colorado

15. DATE SPUDDED 11-11-78 16. DATE T.D. REACHED 11-15-79 17. DATE COMPL. (Ready to prod. or Plug & Abd.) 1-2-79 18. ELEVATIONS (DF, ENB, RT, GR, ETC.) 4255' KB 19. ELEV. CASINGHEAD 4245'

20. TOTAL DEPTH, MD & TVD 5430' 21. PLUG, BACK T.D., MD & TVD 5244' 22. IF MULTIPLE COMPL., HOW MANY - 23. INTERVALS DRILLED BY - ROTARY TOOLS 0-TD CABLE TOOLS None

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
IES, FDC-GR 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#	164' KB	12 1/4"	160 SX	-
** 4 1/2"	10.5#	5424' KB	7 7/8"	150 SX	-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
-				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
-		

31. PERFORATION RECORD (Interval, size and number)
5206'-09' 3 jspf, 80 gram

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5355-61'	50 sx 50-50 pozmix
5322-30'	50 sx 50-50 pozmix
5206'-17'	300 gal 10% NE HCl acid
5206'-17'	50 sx 50-50 pozmix

33. PRODUCTION 5206'-5209' 200 gal. 10% NE HCl Acid
5206'-5209' 500 gal. 15% NE HCl Acid
DATE FIRST PRODUCTION N/A PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) TA; swabbing
Temporarily Abandoned

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	GIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-30-78	2		→	-0-	-0-	6	-
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY, PI (CORR.)	
		→	-0-	-0-	72	-	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
- TEST WITNESSED BY Jerry Gardiner

35. LIST OF ATTACHMENTS
Geological report.

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

SIGNED [Signature] TITLE Western Operations Manager DATE April 17, 1979

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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			See attached copy of geological report.			

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COLO. OIL & GAS CONS. COMM.



G E O L O G I C R E P O R T


for

OKMAR OIL COMPANY

#17 BUDIN

NE SE Sec. 3, T-8-N, R-55-W

Logan County, Colorado


Richard T. Hercher
Consultant Geologist

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GEOLOGIC REPORT

Company	Okmar Oil Company
Well	#17 Budin
Location	NE SE Sec. 3, T-8-N, R-55-W Logan County, Colorado
Field	W.C.
Elevation	4245 GR 4255 K.B.
Surface Casing	164' of 8 5/8"
Drilling Contractor	Exeter Northern Drilling
Rig	Rig #14
Sample Program	30' samples 4350 - 5200 5' samples 5200 - T.D.
Shows of Oil	D and J Sands carried shows.
Drill Stem Tests	D and J Sands were tested.
Electrical Surveys	Shclumberger IES and FDC GR
Date Commenced	11/9/78
Date Completed	11/17/78
Status	Running Pipe.

DVR
FJP
HHM
LAM
JJD
RLS
COM

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3-8N-55W

FORMATION TOPS

	<u>Sample</u>	<u>Log</u>
NIOBRARA	4396	4396
FT. HAYS	4712	4714
CARLILE	4759	4766
GREENHORN	4934	4942
BENTONITE	5109	5112
D SAND	5204	5206
J SAND	5303	5300
T.D.	5430	5430

SAMPLE DESCRIPTION

5200-05 Black shale; grey, soft shale; traces of soft, white bentonite.

05-10 Shale as above; trace sandstone, med. grain, white, hard, blocky clusters, low to no P&P; no stain or fluorescence.

10-15 Sandstone, med. to fine grain, poorly sorted, subrounded, white, little cementing material, fair to good P&P, light yellow, speckled to blotchy blue fluorescence, light oil taste.

15-20 Same, only small amount of sand, soft and friable, good stain and fluorescence.

20-25 Sandstone, med. to fine grain, light grey, lighter than above, N.S.; some sand is partially white clay filled.; black shale.

25-30 Sandstone, fine to very fine grain, white, partially clay filled, low to no P&P, N.S.; black shale.

30-34 Trip samples, fine grain, light grey to white sand, clay filled to hard and tight, N.S.; sands as above.

40-45 Same, down 60 min. with pump, poor samples; mostly cavings; dark grey to black, hard shale.

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SAMPLE DESCRIPTION (cont'd)

5245-60	Same
60-85	Dark grey, hard, silty shale; black, carbonaceous, soft shale.
85-95	Black, soft shale; traces of pake green bentonite.
95-5305	Grey, silty, hard shale; black shale.
05-10	Same with dirty grey, silty, fine grain sandstone and sandy textured siltstone, no P&P, N.S.; few clusters grey, silty, med. grain sand, poor P&P, N.S.
10-15	Sandstone, dirty grey, silty and clay filled, med. to fine grain, poorly sorted, subrounded, low to no P&P, N.S.; snowy white, fine grain, hard sand, low to no P&P, N.S.
15-20	Sandstone, fine to med. grain, white, rounded grains, partially clay filled, poor perm and porosity, no stain or fluorescence; some clusters hard and blocky.
20-30	Same; N.S.; some tan, hard siderite.
30-35	Same; drilling water sand 1 ft./min.
35-45	Same; black shale; grey, silty shale.
45-50	Sandstone, med. grain, dirty grey, very silty, clay filled, soft, about 50% of sample has fluorescence, blotchy to even.
50-55	Same, fluorescence on, 50% of silty, soft, clay filled sand is speckled to blotchy.
55-60	Black shale; sand as above, about 25% has speckled to blotchy fluorescence, no apparent stain, no taste.
60-5401	Black shale; grey, silty, hard shale.

3-8N-560
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SAMPLE DESCRIPTION (cont'd)

5401-20 Sandstone, light to dark grey, med. to fine grain,
silty, soft and friable, no stain, no fluorescence.

20-30 Sand as above; black, fissile shale.

DRILL STEM TESTS

DST #1 5323-28 J Sand

Tool Open 15 min., SI 30 min., open 120 min.,
SI 60 min.

Blow Open with strong blow - to bottom of bucket
immediately - strong throughout open.

2nd open - blow to bottom of bucket in 30 sec. -
steady for 80 min. - blow started to decrease -
gas to surface in 55 min. of 2nd open. Too small
to measure, burned 2 ft. flare.

Recovery 85' muddy water.

Pressures: IF 2nd flow SIP IH 2823#
61-36# 42-73# 826-806# FH 2788#

DST #2 5208-24 D Sand

Top packers failed.

DST #3 5210-24 D Sand

Top packers failed after 10 min.
Recovered 320' mud, 90' was heavily gas cut.

DST #4 5346-5364 J Sand

Could not get to bottom due to hole conditions.

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BIT RECORD

	<u>Make</u>	<u>Type</u>	<u>Size</u>	<u>Depth</u>
1.	STC	DT-J	7 7/8"	-3809
2.	Sec	S-3-J	"	-4815
3.	Reed	Y12-J	"	-5231
4.	Sec	M4N-J	"	-5351
5.	HTC	OW4-J	"	-5430