

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N.M. Oil Conservation Division
116 1st Street
Artesia, NM 88210-2834

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. LC-029424	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other <u>Re-Entry</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Beach Exploration, Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 800 N. Marienfeld Ste. 200, Midland, Texas 79701		8. FARM OR LEASE NAME Henshaw Pecp Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface At top prod. interval reported below At total depth Same 660' FNL & 1980' FNL Unit C, NE4/NW/4		9. WELL NO. 9	
14. PERMIT NO. 30-015-10075		10. FIELD AND POOL, OR WILDCAT Henshaw Morrow 96826	
DATE ISSUED		11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA 30 23, T16S, R29E	
15. DATE SPUDDED 2027098		12. COUNTY OR PARISH Eddy	
16. DATE T.D. REACHED 3-14-98		13. STATE NM	
17. DATE COMPL. (Ready to prod.) 4-30-98		19. ELEV. CASINGHEAD 3826'	
18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* DF-3837' KB-3838' GL-3824'		20. TOTAL DEPTH, MD & TVD 10,690'	
21. PLUG, BACK T.D., MD & TVD 10.645'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Morrow - 10,622'	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN CBL, GR-DIL, GR-SDL-DSN	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
Casing Size		Weight, lb./ft.	
10 3/4"		45.5#	
7 5/8"		26.4#	
4 1/2"		11.6#	
Depth Set (MD)		Hole Size	
523'		275 Sxs.	
4511'		1100 Sxs.	
10,690'		260 Sxs. Super H	
29. LINER RECORD		30. TUBING RECORD	
Size		Top (MD)	
Bottom (MD)		Sacks Cement*	
Screen (MD)		Size	
2 3/8"		Depth Set (MD)	
10,690'		Packer Set (MD)	
10,529'		31. PERFORATION RECORD (Interval, size and number)	
10,588' - 10,606'		6 JSPF	
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		Depth Interval (MD)	
Amount and Kind of Material Used		10,588' - 10,606'	
3,000 Gals. NeFe Acid		10,588' - 10,606'	
Fraced w/50,000 Gals CO2 Foam		33.* PRODUCTION	
Date First Production		Production Method (Flowing, gas lift, pumping—size and type of pump)	
6-17-98		Flowing - Plunger Lift	
Well Status (Producing or shut-in)		Producing	
Date of Test		Hours Tested	
6-26-98		24 Hrs.	
Choke Size		Prod'n. for Test Period	
20/64"		Oil—BBL.	
5		Gas—MCF.	
150		Water—BBL.	
0		Gas-Oil Ratio	
30,000		Flow. Tubing Press.	
Casing Pressure		Calculated 24-Hour Rate	
125#		Oil—BBL.	
Gas—MCF.		Water—BBL.	
Oil Gravity-API (corr.)		52.0	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY	
Sold		Mark Clark	
35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
Deviation Survey, C-122, Backpressure Curve, Logs.		SIGNED <u>Amelia Chatum</u> TITLE <u>Production</u> DATE <u>7-15-98</u>	

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

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
Anhy	277'					
Yates	1440'					
Queen	2258'					
Grayburg	2647					
SA	2967'					
Drinkard	5700'					
Abo	6450'					
Wolfcamp	7663'					
Cisco	9473'					
Strawn	10,024'					
Atoka	10,147'					
Morrow	10,622'					

BLM
ROSWELL, NM

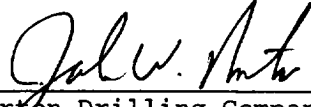
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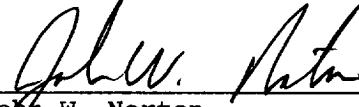
Deviation surveys taken on Beach Exploration Inc.'s Henshaw #9 well in Eddy County, New Mexico:

<u>Depth</u>	<u>Degree</u>
7732	1.75
9518	2.50
9923	1.75
10,252	1.00
10,407	.25
10,650	1.00

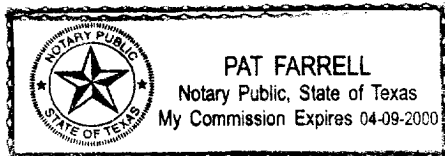
I hereby certify that I have personal knowledge of the facts placed on this sheet and that such information given above is true and complete.

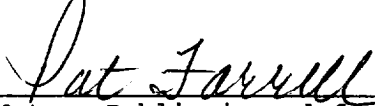

Norton Drilling Company

Before me, the undersigned authority, on this day personally appeared John W. Norton, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is the drilling contractor of the well identified in this instrument and that such well was not intentionally deviated from the vertical whatsoever.


John W. Norton

SWORN AND SUBSCRIBED to before me this 15th day of April 1998.




Notary Public in and for
Lubbock County, Texas.

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6-15-68	
Company Beach Exploration, Inc.				Connection	
Pool Henshaw				Formation Morrow	
Completion Date 10,690'		Total Depth 10,690'		Elevation 3824' GL	
Csg. Size 4 1/2"		Set At 10,690'		Perforations: From 10,588 To 10,606	
Tub. Size 2 3/8"		Set At 10,645'		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 10,529'	
Producing Thru Tbg.		Reservoir Temp. °F 130 @ 10,600'		Mean Annual Temp. °F 74	
Baro. Press. - P _a		County Eddy		State New Mexico	
L 10,600	H 10,600	G _g	% CO ₂ 0.38	% N ₂ 1.87	% H ₂ S 0
Prover		Meter Run x		Type Flanged	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	2 3/8"	1 3/4"	1590	1.995			0	80			24 Hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mscf/d
1							160
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/ubl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ .0740
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 160
1					
2					
3					
4					
5					

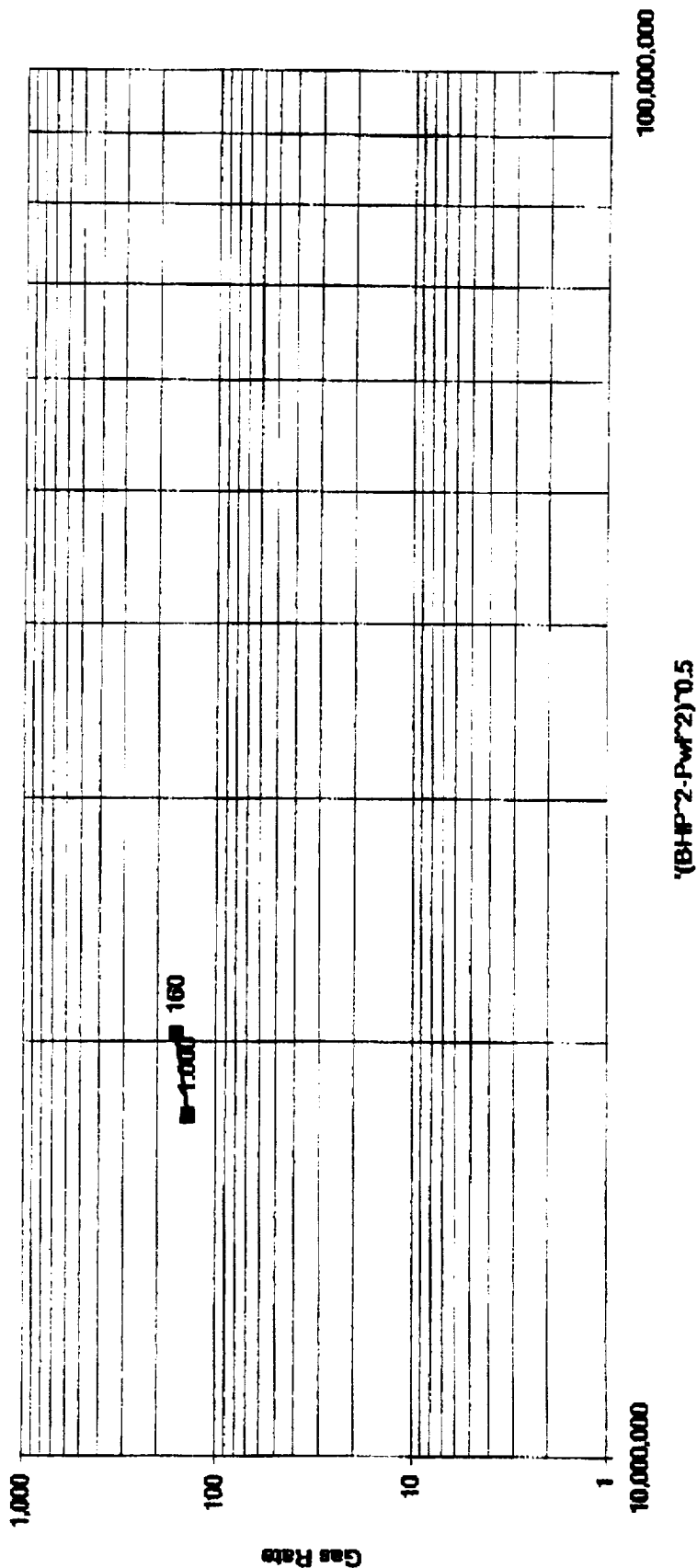
Absolute Open Flow _____ 160 _____ Mscf @ 15.025	Angle of Slope _____	Slope, n _____ 1.000
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Remarks: Due to pressures, ran One Pt. on well. Beach request confidentiality on all filings logs, and test.

Approved By Commission:	Conducted By: Mark Clark	Calculated By:	Checked By:
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BEACH EXPLORATION, INC. HENSHAW WELL NO. 9

One Point AOF



----- Gas Well -----
-- One point test --
(C) Copyright 1992, 1993
by Douglas M Boone
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Well Name	Henshaw #9	08-Jul-98	Version 3.0M
Field Name	Henshaw		
Gas Gravity	0.740	% N2	1.87 %
Cond. (yes=1)	1	% CO2	0.38 %
Depth of Zone	10600 Foot	% H2S	0.00 %
Tubing ID	1.995 inch	TEMP-res	130 F
Pwf measured	1590 Psia	TEMP-surf	80 F
FTP	0 Psia	Pwf	1,590 Psia
Flowing rate	140 Mcfd		
BHP	4500 Psia	BHP	4,500 Psia
SITP	0 Psia		

Enter a zero for either BHP and Pwf if using FTP and SITP
AOF 160 Mcfd X scale min 6.00
N slope 1.000 X scale max 9.00